This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

+ *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
+ *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
+ *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
+ *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at `http://books.google.com/`

FFICIAL YEAR-BOOK

OF THE

NTIFIC & LEARNED SOCIETIES

GREAT BRITAIN AND IRELAND

016.06
139
v.1

CHARLES GRIFFIN & CO.'S PUBLICAT

At Press: Royal 8vo,

THE STABILITY OF SHIPS,

A Treatise for the

Use of Naval Constructors, Shipbuilders, and Others.

By SIR EDWARD JAMES REED,
K.C.B., F.R.S., M.P.

With Numerous Tables, Diagrams, and Folding-Plates.

At Press: Royal 8

HUMAN PHYSIOLOGY

(A MANUAL OF)

Including Histology & Microscopical Anatomy

By PROF. LANDOIS.

Translated from the Fourth German Edition

By WM. STIRLING, M.D., D.Sc.,

Reg. Prof. Inst. of Med., University of Aberd

CIENTIFIC WORKS

By W. J. MACQUORN RANKINE,
LL.D., F.R.S.,
te Reg. Prof. of Civil Engineering in the University of Glasgow.

pplied Mechanics. Tenth Edition. 12s. 6d.

ivil Engineering. Fourteenth Edition. 16s

The
M
Mac
ti
5. Usef
ti
6. A M
ti
7. Misc
8v

Marine
A. E.
ing, I
Third

N
An El
Electr
Electr
MUNF
F.R S
"Wo

Fuel a
Steam
HOFE
prisin
Flues
sions-
Scale

MEDICAL WOR

By WM. AITKEN, M.D., F.R.
Prof. of Pathology in the Army Medi
Examiner in Medicine for the Mil
Medical Services of the Gover

SEVENTH EDITION, pri

The Science and Practice of
In 2 vols. royal 8vo, cloth. A
important features of the Ne

First Series: THIRTY-SECOND EDITI

MANY THOUGHTS

Selections from the Writin

First and Second Series. Compiled and

In square 8vo, cl
PRESENTATION EDITION,
LIBRARY EDITION, half
Do.
Each Ser

"The produce of years of
"A treasure to every
"A MAGNIFICENT GIFT
"There is positively
Thoughts.'"—*Mo*
"The SECOND S

London

PUBLICATIONS.

Demy 8vo.

[illegible] ENTER, AND RE-WRITTEN.

[illegible]F GEOLOGY,

[illegible]al Practical.

[illegible] LIPS, M.A., F.R.S.,
[illegible] the University of Oxford.

[illegible]ED BY

[illegible] THERIDGE, F.R.S.,
[illegible] of Great Britain; Past-President of the [illegible]ological Society; [illegible]

AND

[illegible]ER SEELEY, F.R.S.,
[illegible] in King's College London.

[illegible] *Fossils and Rock-Structures, and very* [illegible]*rous Tables.*

[illegible] will be issued during the course of [illegible]mes of the Editors are sufficient [illegible] and high scientific accuracy with [illegible] conducted. Brought fully abreast [illegible]ts in Geological Science, the New [illegible] in every point the prestige of [illegible]tive Budget, in the several [illegible]ology, which are calculated [illegible]at event in the History of

[illegible]CO., Exeter Street, Strand.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

In Preparation. Two Vols. Demy 8vo.

THIRD EDITION; THOROUGHLY REVISED, AUGMENTED, AND RE-WRITTEN.

A MANUAL OF GEOLOGY,

Theoretical and Practical.

By JOHN PHILLIPS, M.A., F.R.S.,
Late Professor of Geology in the University of Oxford.

EDITED BY

ROBERT ETHERIDGE, F.R.S.,
Palæontologist to the Geological Survey of Great Britain; Past-President of the Geological Society;

AND

HARRY GOVIER SEELEY, F.R.S.,
Professor of Geography in King's College, London.

With Plates of Characteristic Fossils and Rock-Structures, and very Numerous Tables.

THE above important work will be issued during the course of the autumn. The names of the Editors are sufficient guarantee for the thoroughness and high scientific accuracy with which the revision has been conducted. Brought fully abreast of the most recent developments in Geological Science, the New Edition will be found to maintain in every point the prestige of the original work, and to offer distinctive features in the several departments of Geology and Palæontology, which are calculated to make the present issue an important event in the History of Geological Progress.

London: CHARLES GRIFFIN & CO., Exeter Street, Strand

YEAR-BOOK

OF THE

SCIENTIFIC AND LEARNED SOCIETIES

OF GREAT BRITAIN AND IRELAND:

GIVING AN ACCOUNT OF THEIR

ORIGIN, CONSTITUTION, AND WORKING.

Compiled from Official Sources.

WITH APPENDIX

COMPRISING A LIST OF THE LEADING

SCIENTIFIC SOCIETIES THROUGHOUT THE WORLD.

First Annual Issue.

LONDON:
CHARLES GRIFFIN AND COMPANY,
EXETER STREET, STRAND.
1884.

H

016.06
Y39
v.1

CHARLES GRIFFIN & CO.'S PUBLICAT

At Press: Royal 8vo,

THE STABILITY OF SHIPS,

A Treatise for the

Use of Naval Constructors, Shipbuilders, and Others.

By SIR EDWARD JAMES REED, K.C.B., F.R.S., M.P.

With Numerous Tables, Diagrams, and Folding-Plates.

At Press: Royal 8

HUMAN PHYSIOLOGY

(A MANUAL OF):

Including Histology & Microscopical Anatomy.

By PROF. LANDOIS.

Translated from the Fourth German Edition

By WM. STIRLING, M.D., D.Sc.,

Reg. Prof. Inst. of Med., University of Aberdeen.

CIENTIFIC WORKS

By W. J. MACQUORN RANKINE, LL.D., F.R.S.,

ate Reg. Prof. of Civil Engineering in the University of Glasgow.

pplied Mechanics. Tenth Edition. 12s. 6d.

ivil Engineering. Fourteenth Edition. 16

The

M

Mac

tio

5. Usef

tio

6. A M

tio

7. Misc

8v

Marine

A. E.

ing,

Third

N

An El

Electr

Electr

MUNI

F.R S

"Wo

Fuel a

Steam

HÖFE

prisin

Flues

sions-

Scale.

MEDICAL WORKS

By WM. AITKEN, M.D., F.R.S.,

Prof. of Pathology in the Army Medical School; Examiner in Medicine for the Military Medical Services of the Queen.

SEVENTH EDITION, price 42s.

The Science and Practice of Medicine. In 2 vols. royal 8vo, cloth. Among the more important features of the New Edition, the ain and Nervous tioned.

nd Practice of or Students. By Crown 8vo, cloth EDITION.

Enlarged. 7s. 6d.

ook. By Surg.- nt Prof. of Mili- Medical School. s.

. of the greatest r Review.

ON, 2 Vols.

JOHN PHILLIPS, or of Geology in Edited by ROBERT President of the HARRY GOVIER of Geography in

h. 12s.

ctures on). De- ction to the Study W. GALBRAITH rer on Public Law w.

STANFORD UNIVERSITY LIBRARY

First Series: THIRTY-SECOND EDITION. Second Series: EIGHTH EDITION.

MANY THOUGHTS OF MANY MINDS:

Selections from the Writings of the most Celebrated Authors.

First and Second Series. Compiled and Analytically Arranged by HENRY SOUTHGATE.

In square 8vo, elegantly printed on toned paper.

PRESENTATION EDITION, cloth and gold, ...12s. 6d. each volume.
LIBRARY EDITION, half-bound roxburghe, ...14s. ,,
Do. morocco antique, ...21s. ,,

Each Series is complete in itself, and sold separately.

"The produce of years of research."—*Examiner.*
"A treasure to every reader fortunate enough to possess it."—*English Journal of Education.*
"A MAGNIFICENT GIFT-BOOK, appropriate to all times and seasons."—*Freemasons' Magazine.*
"There is positively nothing in the language that will bear a moment's comparison with 'Many Thoughts.'"—*Manchester Advertiser.*
"The SECOND SERIES fully sustains the deserved reputation of the FIRST."—

*** For Works in Scientific, Edu General Litera see General Catal n application.*

London: CHAR Exeter S

ensure accuracy. The Notices are compiled from data furnished by the respective Societies, and, still further to avoid the risk of error, Proofs have been submitted to their Representatives in all but a few instances, where want of time prevented the application.

The Publishers desire to take this opportunity of thanking very sincerely all officially connected with the various Societies—Secretaries and others—by whose courteous co-operation they are thus enabled to lay before the public an accurate view of the practical working of our great Scientific organization. Notice of errors or omissions will be thankfully received for rectification in future editions.

The "Year-Book" as an *Annual Issue.*

It is proposed that the next and all following Issues shall be published in January of each year, and shall consist (in addition to the necessary information as to official changes) of the Titles of Papers read before or published by the various Societies throughout the Kingdom, with the Names of their Authors, thus presenting at one and the same time:—

(1) An account of Scientific work done in the various departments during the year.

(2) A record of progress; and

(3) A most useful Handbook of Reference.

The Publishers would merely remark, in reference to the foregoing, that the gathering together in one volume of the Lists of Papers read before all the great Representative Societies (many of which are of unique value), and placing these lists within reach at a moderate price, is a feature which, they believe, will commend itself to all who know the difficulty constantly experienced by scientific workers in tracing up to its original source a particular Paper required for reference.

June, 1884.

SYNOPSIS OF CONTENTS.

	PAGE
§ 1. SCIENCE GENERALLY: *i.e.* Societies occupying themselves with several branches of Science, or with Science and Literature jointly,	1
§ 2. MATHEMATICS and PHYSICS,	47
§ 3. CHEMISTRY and PHOTOGRAPHY,	51
§ 4. GEOLOGY, GEOGRAPHY, and MINERALOGY,	60
§ 5. BIOLOGY, including MICROSCOPY and ANTHROPOLOGY,	65
§ 6. ECONOMIC SCIENCE and STATISTICS,	89
§ 7. MECHANICAL SCIENCE and ARCHITECTURE,	95
§ 8. NAVAL and MILITARY SCIENCE,	109
§ 9. AGRICULTURE and HORTICULTURE,	112
§ 10. LAW,	133
§ 11. MEDICINE,	138
§ 12. LITERATURE and HISTORY,	161
§ 13. PSYCHOLOGY,	169
§ 14. ARCHÆOLOGY,	171
§ 15. FOREIGN SOCIETIES,	183
INDEX,	219

YEAR-BOOK

OF

SCIENTIFIC AND LEARNED SOCIETIES,

I.—GENERAL SCIENCE.

LONDON.

THE ROYAL SOCIETY OF LONDON,

BURLINGTON HOUSE, PICCADILLY.

Officers.—*President:* Prof. T. H. Huxley, LL.D. *Treasurer:* John Evans, D.C.L., LL.D. *Secretaries:* Profs. G. G. Stokes, M.A., D.C.L., LL.D.; and Michael Foster, M.A., M.D. *Foreign Secretary:* Prof. A. W. Williamson, LL.D.

Other Members of the Council: Capt. Abney, R.E.; Prof. W. Grylls Adams, M.A.; the Duke of Argyll, K.T., D.C.L.; J. Gilbert Baker, F.L.S.; T. Lauder Brunton, M.D.; W. H. M. Christie, Astron. Royal; Warren De La Rue, M.A., D.C.L.; Sir F. J. O. Evans, K.C.B.; Prof. G. C. Foster, B.A.; Francis Galton, M.A., F.G.S.; J. W. Lee Glaisher, M.A.; Sir W. W. Gull, Bart., M.D.; H. Müller, Ph.D.; Prof. Jos. Prestwich, M.A.; Prof. Osborne Reynolds, M.A.; Osbert Salvin, M.A., F.L.S.

Assistant-Secretary: Walter White. *Clerk:* Herbert Rix.

History.—The Royal Society has priority over all other Societies in Great Britain (and abroad with the exception of Italy), both in the date of its foundation and in the scientific eminence of the names it has enrolled. It had its origin in the motion of some members of a small society who were present, 28th November 1660, in the hall of Gresham College, founded 1575, to hear a lecture on astronomy by one of the resident professors, Christopher Wren. Provisional rules were thereupon formulated, and the new Society at once secured adherents, starting with fifty-five members, under the presidency of Sir Robert Moray. The Society soon solicited a Royal Charter, which was graciously accorded, 15th July 1662, by King Charles II. An amended supplementary charter, of date 22nd April 1663, is still the law of the Society, although a third charter, of April 8, 1669, gave new privileges and the occupation of Chelsea Hospital. The object of the Society is stated to be the improving of natural science by experiments. The College of Chelsea reverted to the Crown in 1682, a payment in compensation being made to the Society, which has since been housed in various places, finally in Burlington House. The Government of the day has on many occasions resorted to the Society for counsel and advice, and now confides to it the distribution of a grant of £4000 annually for the encouragement of original research. The astronomical

observatory at Greenwich was founded (1678) with its assistance, the original instruments being the property of the Royal Society, and of late years it has frequently been consulted as to the establishment of colonial stations, and as to the objects and equipment of subsidised expeditions for recording celestial and meteorological phenomena, the collection of specimens, and appreciation of the facts of natural history. The Royal Society may consequently be regarded as an unofficial Scientific Court of Ultimate Appeal. The history of the Society shows fluctuations in its financial prosperity, which, however, is now assured. It possesses relics of great interest, philosophical instruments the actual handiwork of its members, a collection of portraits, some of which are unique, and many literary treasures. The meetings are conducted with some ceremonial observance, the official mace, a royal gift in 1663, lying always on the table.

The Royal Society awards five medals, four annually and the other biennially. The COPLEY medal, dating from 1742, is the greatest distinction the Society confers; it is an open prize for which all studies and nationalities may compete, and the recipients have been since its foundation the most illustrious discoverers of their age. The RUMFORD medal dates from 1796, the DAVY medal from 1878, and the two Royal medals from 1826.

Offices.—These comprise Reception and Reading-Rooms, Council-Chamber, and the Library, containing 40,000 works, mostly scientific. Fellows have access to the Library at all times, and may borrow books. A Catalogue of Section I. (Transactions, Journals, Observations, Reports, Surveys, and Museums), and Section II. (General Science) is ready, price 20s. (Harrison & Sons, St Martin's Lane).

Meetings commence on the third Thursday in November, and end on the third Thursday in June. They are held at 4.30 P.M., weekly, except two weeks at Christmas, and Passion, Easter, and Whitsun weeks, Ascension Day, and the week of the anniversary, November 30, and of the annual election of Fellows, first Thursday in June. The business of ordinary meetings is the reading and discussion of papers on scientific subjects. Visitors are admitted to the meetings by order of the President, with the permission of the Society, and any Fellow may introduce two friends.

Membership.—Members are styled "Fellows" of the Royal Society; an eligible candidate must be proposed as—

(*a*) Having made discoveries in some branch of science (which should be specified).

(*b*) The author of a work or paper of merit connected with science (the title should be specified).

(*c*) Distinguished for his acquaintance with some branch of science (which should be specified); this single testimonial will not be considered sufficient for any candidate without reference to his professional attainments.

(*d*) Eminently distinguished in one of the learned professions.

(*e*) A distinguished Engineer, Architect, Painter, Sculptor, or Engraver.

(*f*) Distinguished for his literary or archæological attainments.

(*g*) Attached to science, and anxious to promote its progress.

The certificate of a candidate must be signed by six or more Fellows, three of these from personal knowledge. At the first meeting in March the Secretary reads in alphabetical order the names of all candidates who have been proposed during the previous twelve months. The certificates are then suspended in the meeting room till the day of election in June. During the first week in April a printed list of all the candidates, the names arranged in alphabetical order, and of

their proposers, is sent to every ordinary Fellow; from this list a number not exceeding fifteen is then selected by the Council, and the names of their nominees are announced at the first ordinary meeting in May. A majority of two-thirds is necessary in every case, and the election is invalid unless the new Fellow appears on or before the fourth ordinary meeting following his election to be formally admitted.

The payments are £3 annually, or £60 in one sum. There are now 522 Fellows of the Society.

Committees.—The Council, including the President of the Society *ex officio*, consists of 21 members, 10 of whom must retire annually. The Council choose by ballot the 11 members of their body who continue in office, and also 10 Fellows who are in this way recommended for the vacant seats. As in the election of Fellows, the Society may adopt or modify the recommendation of the Council, but in practice it is rarely questioned. Committees deal with particular subjects; the members are some of the Council associated with ordinary Fellows. The President, Treasurer, and Secretaries of the Society are *ex officio* members of all committees.

Communications.—Any Fellow of the Society may send a paper for reading, It will be considered, and if suitable read by order of the Council; papers sent by non-members may also be accepted. A report of all papers read appears in abstract, with occasional diagrams, in the *Proceedings* of the Society published at intervals. Specially selected papers are published *in extenso* in the *Philosophical Transactions* of the Royal Society. This appears in parts, forming an annual quarto volume, with plates.

"A Catalogue of Scientific Papers," which is "intended to serve as an index to the titles and dates of scientific papers contained in the transactions of societies, journals, and other periodical works," has been compiled by the Society, and for the period from the beginning of this century to the year 1863 is complete in 6 vols. (Eyre & Spottiswoode), and for the years 1864–1873 in vols. VII. and VIII. A to Z (John Murray, and Trübner & Co.).

THE ROYAL INSTITUTION OF GREAT BRITAIN,

ALBEMARLE STREET, PICCADILLY.

Officers.—*President:* The Duke of Northumberland, D.C.L., LL.D. *Treasurer:* George Busk, F.R.S., *V.P. Honorary Secretary:* Sir William Bowman, Bart., LL.D., F.R.S., *V.P.*

Managers, 1884–85.—George Berkley, M.I.C.E.; Sir Frederick J. Bramwell, F.R.S.; Joseph Brown, Q.C.; Warren De La Rue, M.A., D.C.L., F.R.S.; Captain Douglas Galton, C.B., D.C.L., F.R.S.; Colonel James Augustus Grant, C.B., C.S.I., F.R.S.; Sir William Robert Grove, M.A., D.C.L., LL.D., F.R.S.; Lord Claud Hamilton, J.P.; Sir John Hawkshaw, F.R.S., F.G.S.; Sir John Lubbock, Bart., M.P., D.C.L., LL.D., F.R.S.; Hugo W. Müller, Ph.D., F.R.S.; Sir Frederick Pollock, Bart., M.A.; John Rae, M.D., LL.D., F.R.S.; The Earl of Rosse, D.C.L., LL.D., F.R.S.; The Hon. Rollo Russell, F.M.S.

Visitors, 1884–85.—John Birkett, F.L.S., F.R.C.S.; Charles James Busk; Stephen Busk; George Frederick Chambers, F.R.A.S.; William Crookes, F.R.S.; Rear-Admiral Herbert P. De Kantzow, R.N.; William Henry Domville; Alexander John Ellis, B.A., F.S.A., F.R.S.; Rev. John

Macnaught, M.A.; Robert James Mann, M.D., F.R.C.S.; Sir Thomas Pycroft, M.A., K.C.S.I.; Lachlan Mackintosh Rate, M.A.; John Bell Sedgwick, F.R.G.S.; Basil Woodd Smith, F.R.A.S.; Charles Meymott Tidy, M.B., F.C.S.

Professors.—Natural Philosophy, John Tyndall, F.R.S.; Chemistry, James Dewar, F.R.S.; Physiology, Vacant.

History.—The prominent originators of the Royal Institution were Sir Joseph Banks, naturalist, and Benjamin Thompson, Count Rumford, a practical philosopher and philanthropist, both of them Fellows of the Royal Society. It was proposed to found a new "establishment in London for diffusing the knowledge of useful mechanical improvements," to "teach the application of science to the useful purposes of life," and to provide a room "for philosophical lectures and experiments, and a complete laboratory and philosophical apparatus, with the necessary instruments . . . for making chemical and other philosophical experiments." The scheme commended itself to many men of wealth and position, and was practically started in 1799. A site was purchased in Albemarle Street for the erection of a suitable building, which was soon complete with every necessary appliance. The work of the Institution began with much enthusiasm, and attendance at the lectures soon became "not only the fashion, but the rage." There are foundations for three professorships, in Natural Philosophy, Chemistry, and Physiology. Several of those who have filled these chairs (including Sir Humphry Davy, Faraday, &c.) have won honours and renown by their discoveries, which have been facilitated and developed by the aid of the resources of the Institution.

Objects.—(*a*) To promote scientific and literary research; (*b*) to teach the principles of inductive and experimental science; (*c*) to exhibit the application of these principles to the various arts of life; and (*d*) to afford opportunities for study.

Offices.—The Royal Institution occupies its own house, has a news and reading room (available from 9 A.M. till 11 P.M.), a reference library (open from 10 A.M. till 10 P.M., excepting on Fridays during the session, when it closes at 4 P.M.), and a grand library (43,000 volumes) of scientific and general literature. A classified catalogue, complete to 1882, is published and for sale. The building includes laboratories for physical research, which were rebuilt on the most complete design in 1872, and a lecture theatre.

Meetings.—Lectures, in series, on select subjects, illustrated by experiments with the aid of the laboratory apparatus, are delivered during the months December to June, on Tuesday, Thursday, and Saturday, at 3 P.M.; and "discourses" on Friday evenings at 9 P.M. Visitors (either ladies or gentlemen) are admitted on these occasions by ticket of a member. The annual meeting is in May.

Membership.—Honorary life members are persons of rank, and of the highest scientific distinction. Members pay on election 5 guineas entrance fee and 5 guineas annually, or 60 guineas in one sum. The wives and children of members who pay one guinea each may attend during one session all the series of lectures, or paying 10s. 6d. each are admitted to any one series. Annual subscribers pay 1 guinea entrance fee and 5 guineas annually. Subscribers to the lectures only pay 2 guineas for the session; for any one series either 21s. or 10s. 6d., according to the length of the course; and children under sixteen are admitted to the December series on payment of 10s. 6d. Candidates proposed by four members participate immediately in the privileges of membership pending their election by ballot at

the succeeding monthly meeting. Annual subscribers are excluded from attendance at the Friday evening discourses only.

Committees.—The presiding officers are the "managers;" they organise research in many departments of physics, and appoint the salaried professors who use the experimental laboratories of the Institution, with results which have been often the most pregnant discoveries of modern science.

Communications.—Accepted papers are read at the meetings, and illustrated by diagrams and experiments, the authors having the use of the apparatus of the Institution for their demonstrations. They are published, with accompanying plates, in the *Proceedings* of the Institution.

THE BRITISH ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,

22 ALBEMARLE STREET, PICCADILLY.

Officers.—*President:* Arthur Cayley, F.R.S. *Vice-Presidents:* The Earl of Derby, F.R.S.; The Earl of Crawford and Balcarres, F.R.S.; The Earl of Lathom; Principal J. W. Dawson, C.M.G., F.R.S.; J. G. Greenwood, LL.D.; Prof. H. E. Roscoe, F.R.S.

President Elect: Lord Rayleigh, F.R.S. *Vice-Presidents Elect:* The Marquis of Lansdowne; Sir J. A. Macdonald, K.C.B.; Sir Lyon Playfair, K.C.B.. M,P., F.R.S.; Sir A. T. Galt, G.C.M.G.; Sir C. Tupper, K.C.M.G.; Sir J. D. Hooker, K.C.S.I., F.R.S.; Sir Narcisse Dorion, C.M.G.; Dr Chauveau; Principal J. W. Dawson, C.M.G., F.R.S.; Prof. E. Frankland, D.C.L., F.R.S.; W. H. Hingston; T. Sterry Hunt, F.R.S.

Local Secretaries for the Meeting at Montreal: L. E. Dawson, R. A. Ramsay, — Rivard, S. C. Stevenson, Thomas White, M.P.

Local Treasurer for the Meeting at Montreal: F. Wolferstan Thomas.

Ordinary Members of the Council: Prof. W. G. Adams, F.R.S.; J. F. La Trobe Bateman, F.R.S.; Sir F. J. Bramwell, F.R.S.; F. Darwin, F.R.S.; Prof. W. Boyd Dawkins, F.R.S.; Warren De La Rue, F.R.S.; Prof. J. Dewar, F.R.S.; Capt. Sir F. J. Evans, F.R.S.; Prof. W. H. Flower, F R.S.; Dr J. H. Gladstone, F.R.S.; J. W. L. Glaisher, F.R.S.; Lieut.-Col. Godwin-Austen, F.R.S.; G. W. Hastings, M.P.; J. Clarke Hawkshaw; Prof. O. Henrici, F.R.S.; W. Huggins, F.R.S.; Prof. T. M'K. Hughes; Dr J. Gwyn Jeffreys, F.R.S.; W. Pengelly, F.R.S.; W. H. Perkin, F.R.S.; Prof. Prestwich, F.R.S.; Lord Rayleigh, F.R.S.; Prof. J. S. Burdon Sanderson, F.R.S.; G. Sclater-Booth, F.R.S.; Dr H. C. Sorby, F.R.S.

General Secretaries: Capt. Douglas Galton, C.B., F.R.S., 12 Chester Street, Grosvenor Place, London, S.W.; A. G. Vernon Harcourt, F.R.S., Cowley Grange, Oxford.

Secretary:—Prof. T. G. Bonney, F.R.S., 22 Albemarle Street, London, W.

General Treasurer.—Prof. A. W. Williamson, F.R.S., University College, London, W.C.

History.—In the years 1826–1831 the subject of science as a pursuit, and the small estimation in which her votaries were held, was much discussed. Sir David Brewster advocated the formation of "a scientific parliament" for this country, after the model of an annual itinerant congress, which had been held since 1822 in some of the principal towns of Germany. He busied himself with the matter and enlisted co-operators, so that when a meeting was held at York in 1831, in the

rooms, and under the auspices of the Yorkshire Philosophical Society, a scheme for the new Society was so thoroughly elaborated that there has been small departure since from the original proposal. The objects of the founders have been more than realised; and the Association has itself served as a model for similar organisations. Its influence on the advance of science, in promoting the mutual intercourse of scientific men, and by directing public attention to their aims and pursuits, has been very great.

Objects.—"To promote science, to direct general attention to scientific matters, and to facilitate intercourse among scientific men."

Offices.—The permanent office is at 22 Albemarle Street. During the summer meeting members have accommodation for correspondence and every convenience provided for them at the temporary headquarters.

Meetings.—The meeting is once a year, for one week, including a Sunday, at a place announced at the previous meeting. In 1883 it was at Southport, in 1884 it will be held at Montreal, Canada, from the 27th August.

Subscription for Members.—Visitors who subscribe for the meeting of the year only, participate in the entire programme, including attendance at the reading and discussion of papers, and as far as possible in the excursions. For convenience the Association is divided into sections, as follows:—(A) Mathematics and Physics, (B) Chemistry, (C) Geology, (D) Geography, (E) Biology, (F) Economic Science and Statistics, (G) Mechanical Science, (H) Anthropology.

Membership.—The number of members is about 4000.

Communications must be approved by the committee of the sections before which they are to be read, and sent in not later than July 21 before the next meeting, addressed to the Secretary. They are published in abstract in the annual volume, 8vo, which records the whole work of the Association.

THE SOCIETY FOR THE ENCOURAGEMENT OF ARTS, COMMERCE, AND MANUFACTURES,

(*Commonly called "The Society of Arts." Founded* 1754),

JOHN STREET, ADELPHI.

Officers.—*President:* H.R.H. the Prince of Wales, K.G. *Chairman of Council:* Sir Frederick Abel, C.B., D.C.L., F.R.S.

Council: H.R.H. the Duke of Edinburgh, K.G., *V.P.*; Sir Rutherford Alcock, K.C.B., *V.P.*; Sir G. Birdwood, C.S.I., *V.P.*; Sir F. J. Bramwell, F.R.S., *V.P.*; Alfred Carpmael; Andrew Cassels, *V.P.*; Edwin Chadwick, C.B., *V.P.*; Lord Alfred S. Churchill, *V.P.*; B. Francis Cobb, *V.P.*; T. R. Crampton; Sir P. Cunliffe-Owen, K.C.M.G., C.B., C.I.E., *V.P.*; H. Doulton; Capt. Douglas Galton, C.B., F.R.S., *V.P.*; Earl Granville, K.G., F.R.S., *V.P.*; Sir John Hawkshaw, F.R.S., *V.P.*; Admiral Sir A. Inglefield, C.B., F.R.S.; Sir F. Leighton, P.R.A., *V.P.*; T. Villiers Lister; Sir John Lubbock, Bart., M.P., F.R.S., *V.P.*; J. M. Maclean; W. R. Malcolm, *Treasurer*; G. Matthey, F.R.S.; W. G. Pedder; W. H. Perkin, F.R.S., *V.P.*; Loftus Perkins; W. H. Preece, F.R.S.; Sir R. Rawlinson, C.B., *V.P.*; B. W. Richardson, F.R.S., *V.P.*; Owen Roberts, *Treasurer*; Lord Sudeley, *V.P.*; Sir R. Temple, Bart., G.C.S.I., C.I.E., *V.P.*; R. E. Webster, Q.C.; Duke of Westminster, K.G., *V.P.*

Secretary: H. Trueman Wood.

History.—The Society of Arts owes its formation to Mr William Shipley, landscape painter, who, from a "well-grounded persuasion of the extensive utility of the art of drawing to this nation, erected an academy in the Strand, opposite to Exeter Change." It was at his instance that a meeting was held in 1754 to consider the establishmant of a "society for the encouragement of arts, manufactures, and commerce." The original object of the Society was to give an impulse to inventions useful in industry and commerce, by means of advertisements and the offer of rewards; but it soon entered the wider field of practical science, unoccupied by the Royal Society of that day, and directed its attention to colonial commerce, agriculture, mechanical invention, and the fine arts. From 1800 the section devoted to fine art was the most active and important, until the Royal Academy undertook the work which the Society had inaugurated, and provided more space for the annual exhibition of the pictures of native artists. After a period of depression, a new era commenced with its incorporation in 1847, under the presidency of the Prince Consort, who developed the idea of the International Exhibition of 1851, of which the minor exhibitions held in the Society's rooms were the precursors. The original proposition was made to the Society in 1844 by one of its members, and then declined. The Society has been constant to its primary object, "the application of science to practical purposes." To this end, while acting as pioneer in many fields of labour, it relinquishes particular pursuits when they are undertaken by other agencies, some of which it has itself fostered. The (East) Indian section dates from 1869; the Foreign and Colonial, and the Chemical, from 1874.

The Albert Gold Medal is given annually to some person distinguished for his services in practical science. The Society awards other prizes, and is trustee of the Cantor bequest, which provides for a series of lectures in each session under its auspices and in furtherance of its objects.

Objects.—"The encouragement of the arts, manufactures, and commerce of the country, by bestowing rewards for such productions, inventions, or improvements as tend to the employment of the poor, to the increase of trade, and to the riches and honour of the kingdom; and for meritorious works in the various departments of the fine arts, for discoveries, inventions, and improvements in agriculture, chemistry, mechanics, manufactures, and other useful arts; for the application of such natural and artificial products, whether of home, colonial, or foreign growth and manufacture, as may appear likely to afford fresh objects of industry, and to increase the trade of the realm by extending the sphere of British commerce; and generally to assist in the advancement, development, and practical application of every department of science in connection with the arts, manufactures, and commerce of this country."

Offices.—The Society occupies its own house, containing a lecture-room accommodating three hundred persons, reading-rooms with convenience for correspondence, and the library, which has a large number of *Transactions* of various British and foreign learned societies, and scientific periodicals. A list of these contemporary publications appears annually in the *Journal*, but the complete library catalogue is in MS. Books are lent to members. Office hours are from 10 to 4; on Saturdays to 2 P.M.

Meetings.—The session continues from the last week in November till June. The meetings for the reading and discussion of papers (the chairman of the evening being some prominent member conversant with the particular subject) are held at 8 P.M. at the Society's house, on several evenings of the week. Miscellaneous papers are read on Wednesdays; the "Cantor" lectures on select subjects are

delivered on Mondays; and other evenings are appropriated to particular sections—the "foreign and colonial," the "applied chemistry and physics," and the "East Indian." During the Christmas recess juvenile lectures are given at 7 P.M.; and the session closes in June with a conversazione at the South Kensington Museum or elsewhere. Visitors introduced by a member have access to the meetings, and may join in the discussion of papers.

Membership.—The subscription is 2 guineas annually, dating from the quarter day preceding election, or a single payment of 20 guineas. Candidates must be proposed by three members, or are nominated by the Council. Ladies may subscribe and attend the meetings of the Society. A list of the names proposed is read at the meeting, previous to election. The number of members on the roll of the Society, according to the list published annually, was in June 1883, 3445.

Committees have recently been engaged with the subject of sanitary reform, musical training, technological education, food (fish) supply, patent and copyright law, art workmanship, and the cheap production of scientific apparatus. They collect information, enlist coadjutors, organise lectures and public meetings, and adjudge rewards.

Communications.—Papers must be accepted by the Council before being read at the meetings, and when desired are by arrangement illustrated with wall diagrams, models, apparatus, and experimental demonstration. They appear, with abstract of discussions and a full report of the Society's proceedings, in the *Journal* of the Society (8vo), issued weekly, and forwarded free to members (price 6d., George Bell & Sons).

THE ROYAL ASIATIC SOCIETY OF GREAT BRITAIN AND IRELAND.

Officers.—*President:* Sir H. Bartle Frere, Bart., G.C.B., K.C.S.I., F.R.S. *Treasurer:* E. Thomas, F.R.S. *Honorary Secretary:* R. N. Cust.

Objects.—To investigate and encourage arts, sciences, and literature in relation to Asia.

Offices.—22 Albemarle Street, W. The library is open daily from 10 to 4, Saturdays till 2 P.M. Members may borrow books.

Meetings are held on the third Monday of the month, from November to July. Members may introduce friends.

Membership.—There are resident, non-resident, and honorary members. Candidates must be proposed by three or more members. The names are read at two successive meetings; after the second the ballot takes place. Resident members—entrance fee, £3, 3s.; subscription, £3, 3s.; life composition, £31, 10s. Non-resident members—subscription, £1, 1s.; life composition, £10, 10s.

Branch Societies.—There are five, the Asiatic Societies of Bombay, Madras, Ceylon, North Anna, and the Straits Settlements.

Communications.—The Transactions are published in the *Journal.* All papers read before it become the property of the Society, but authors may republish one year after publication by the Society.

VICTORIA INSTITUTE, or PHILOSOPHICAL SOCIETY OF GREAT BRITAIN (FOUNDED 1865).

Officers.—*President:* The Earl of Shaftesbury. *Hon. Sec.:* Captain Frank Petrie.

Objects.—(*a*) To unite men of science and others for the purpose of investigat-

ing the most important questions of philosophy and science, and more especially those bearing upon the great truths revealed in Holy Scripture. (*b*) To consider the mutual bearings of scientific conclusions in order to avoid conflicting scientific hypotheses, and to promote the real advancement of true science. (*c*) To examine all supposed scientific results, and the more comprehensive and fundamental principles of philosophy proper, based upon faith in the evidence of one Eternal God, who created all things. (*d*) To publish papers read before the Society, with comments by scientific men, whether members or not.

Offices.—7 Adelphi Terrace, London, W.C., with rooms for correspondence, and a library of about 1400 volumes. Members may borrow three works at a time.

Meetings.—The general meetings are held on the first and third Mondays of the months December to June, at 8 P.M.

Membership.—Candidates must be proposed by two members. Members pay 21s. entrance fee and 42s. annually; associates subscribe 21s. annually. Number of members, 1100.

Communications must be accepted by the Council before reading. The *Proceedings* of the Institute from its foundation are reported in 17 vols. 8vo.

ROYAL COLONIAL INSTITUTE,

NORTHUMBERLAND AVENUE.

Temporary Premises—15 STRAND, W.C.

(FOUNDED IN 1868, AND INCORPORATED BY ROYAL CHARTER 1882.)

Officers.—*President:* H.R.H. the Prince of Wales, K.G. *Chairman of Council:* The Duke of Manchester. *Honorary Secretary:* Frederick Young. *Secretary and Librarian:* J. S. O'Halloran.

Objects.—To provide a place of meeting for all gentlemen connected with the colonies and British India, and others taking an interest in colonial and Indian affairs; to establish a reading-room and library, in which recent and authentic intelligence upon colonial and Indian subjects may be constantly available, and a museum for the collection and exhibition of colonial and Indian productions; to facilitate interchange of experiences amongst persons representing all the dependencies of Great Britain; to afford opportunities for the reading of papers, and for holding discussions upon colonial and Indian subjects generally; and to undertake scientific, literary, and statistical investigations in connection with the British empire.

Offices.—The offices of the Institute comprise reading and news rooms, with convenience for correspondence. The library, of about 3000 volumes (chiefly on colonial subjects), is open daily from 10.30 to 4.30, except on Saturday, when the hours are 10.30 to 2. Books may be borrowed; and visitors introduced by a fellow are admitted.

Meetings.—The annual meeting is in June. Ordinary meetings are held at 8 P.M. on the second Tuesday of the months from November to June, for the reading and discussion of papers, and visitors introduced by a fellow may attend; there is also an annual conversazione at which ladies are present.

Membership.—"Fellows" are either resident or non-resident; they must be nominated by two fellows, one of whom signs from personal knowledge. Residents pay £3 entrance and £2 annually; non-residents, 21s. entrance and 21s. annually. The composition for a resident is £20, for a non-resident is £10. Fellows recom-

mended by the Honorary Secretary are admitted to the National Club, No. 1 Whitehall Gardens, for three months, six months, or one year, without entrance fee, on payment of £4, 4s., £5, 5s., and £8, 8s. respectively. Number of members on the roll, 2245.

Communications to be read at any ordinary meeting must be approved of by the Council or their committee. No paper shall be read, or any discussion take place, tending to give to the Institute a party character.

BALLOON SOCIETY OF GREAT BRITAIN,

26 BUDGE ROW, CANNON STREET, E.C.

(FOUNDED 1880.)

Officers.—*President:* W. H. Le Fevre.

Treasurer: William Carrington. *Secretary:* William Marshall.

Objects.—Papers and discussions on recent discoveries, modern inventions, and scientific subjects generally.

Offices.—Office hours are from 9.30 to 5.30. There is a library of 1000 books.

Meetings are held every Friday in the year (except Good Friday).

Membership.—Annual members pay 5s., or a composition fee for five years of £1, 1s; life members pay £5. Number of members about 10,000.

Committees.—There are five committees, engaged on different branches of research.

Communications.—Any person can send papers, which are read, subject to approval of committee.

LAMBETH FIELD CLUB AND SCIENTIFIC SOCIETY. (FOUNDED 1872.)

Officers.—*President:* E. H. Rowe.

Treasurer: W. B. Baskerville. *Secretary:* W. H. Miles, M.E.S.L.

Objects.—The study of natural science in all its branches.

Offices.—Apply to the Secretary, 33 Paris Street, Palace Road, Lambeth, S.E. There is a library for the use of members.

Meetings.—About eighteen meetings take place during the year, in the old Vestry Hall, Lambeth Road. There are also summer excursions.

Membership.—Number of members, 39.

Committees.—There is a Conchological section, which publishes lists of shells, &c. Lectures are delivered, and an Annual Report is published.

COUNTRY.

BARNSLEY NATURALISTS' SOCIETY.

(FOUNDED 1867.)

Officers.—*President:* Dr W. J. Lancaster. *Treasurer:* Wm. Barraclough.

Hon. Secretary: Wm. E. Brady, 1 Queen Street, Barnsley.

Objects.—To investigate and record the natural history of the neighbourhood, and to further the study of natural history and science generally.

Offices.—Public Hall. Extent of library, 150 volumes.

Meetings.—Ordinary meetings fortnightly on Tuesdays, at 8.15 P.M., when papers and other communications are read.

Membership.—Candidates must be proposed and seconded at an ordinary or annual meeting, and be voted for by two-thirds of members present. Subscriptions —Honorary members, 10s 6d.; ordinary do., 6s. (entrance fee 2s.); junior do. (under 16), 3s. per annum, entrance fee 1s.; life membership, £5. Number of members, 196.

Sections.—Vertebrate Zoology, Invertebrate Zoology, Botany, and Geology; each having its own Secretary, and meeting monthly.

Communications.—Communications on natural history are forwarded to the Secretary of the section to which they belong, and are prepared by the section for publication in the Quarterly *Transactions* of the Society.

BARROW NATURALISTS' FIELD CLUB.

(FOUNDED 1876.)

Officers.—*President:* G. H. Parke. *Treasurer:* R. F. Miller.
Secretaries: J. Mirehouse Mawson and Horace Allen.

Objects.—To promote science and literature.

Offices.—At the Cambridge Lecture Hall; include a small library and museum.

Meetings are periodical; in the winter papers, &c., are read and discussed, and field meetings take place during the summer for botanical, geological, and archæological research.

Membership.—5s. per annum. Candidates must be proposed and seconded, and elected at the general meeting succeeding the approval of the Committee. Honorary corresponding members are elected. Number of members about 150.

Sections.—Botanical, Geological, Engineering, Zoological.

BIRKENHEAD LITERARY AND SCIENTIFIC SOCIETY. (FOUNDED 1857.)

Officers.—*President:* John Paxton.
Treasurer: E. J. Langston. *Secretary:* Rev. William Binns.

Objects.—Study and pursuit of literature and science.

Offices.—34 Hamilton Square. Library of 2872 volumes.

Meetings from October to April fortnightly for papers, discussions, and communications.

Membership.—Subscription, £1, 1s. Number of members, 190.

BIRMINGHAM AND MIDLAND INSTITUTE SCIENTIFIC SOCIETY. (FOUNDED 1872.)

Officers.—*President:* E. Evans.
Treasurer: C. R. Robinson. *Secretary:* W. H. Cox.

Objects.—To discuss scientific subjects, read papers, make excursions, and form a library of scientific text-books and books of reference.

Offices.—Birmingham and Midland Institute.

Meetings.—Wednesday evenings, from 7 to 10. Formal papers on various scientific subjects on alternate weeks at 8 o'clock.

Membership.—Candidates must be past or present students of the Institute. Subscription, 3s. per annum. Number of members, 233.

BIRMINGHAM NATURAL HISTORY AND MICROSCOPICAL SOCIETY. (Founded 1858.)

Officers.—*President:* T. H. Waller. *Treasurer:* C. Pumphrey.
Honorary Secretaries: John Morley and W. H. Wilkinson.

Offices.—At Mason College, with library and apparatus; open from 12 to 3 P.M. Members can borrow books.

Meetings.—Tuesday and Thursday evenings, for reading and discussion of papers or microscopic exhibitions, &c.

Membership.—Members' subscription, £1, 1s. There is a class of associates who are youths admitted to most of the privileges of the Society without payment, and of corresponding members who receive the publications. Number of members about 380.

Sections.—Biological, Geological, and Sociological. The Society makes excursions to places of interest, especially to places suitable for the study of marine life.

BIRMINGHAM PHILOSOPHICAL SOCIETY.

(Founded 1876.)

Officers.—*President:* Dr Norris. *Treasurer:* J. Kenward, F.S.A.
Secretaries: Dr Crosskey and R. Levett, M.A.

Objects.—To enable those engaged in the pursuit of any branch of science or philosophy (within the range of the subjects embraced by the British Association for the Advancement of Science) to communicate their researches to others; to afford opportunities for those generally interested in science to obtain a knowledge of the latest discoveries, and to assist them in following the course of modern investigations.

Offices—The Mason College.

Meetings.—Monthly.

Membership.—Subscription, £1. Number of members, 129.

Committees.—Has a fund for the promotion of original research.

Communications.—Accepted in accordance with vote of Council.

BLACKBURN LITERARY CLUB.

Officers.—*President:* J. T. Syckelmoore.
Treasurer: J. F. Cooper. *Secretaries:* J. D. Geddes and S. Crossley.

Offices.—Hall and Club Rooms, Art Street. Apply to the Secretary, 3 Tacketts Street, Blackburn.

Meetings are held every Friday evening. Members may introduce friends.

BLACKPOOL SCIENCE AND ART SOCIETY.

TALBOT ROAD.

No information.

BRISTOL MUSEUM AND LIBRARY.

(*Originated in the Amalgamation of the "Bristol Institution for the Advancement of Science, Literature, and the Fine Arts" with the Bristol Literary Society, founded* 1772.)

Officers.—*President:* The Earl of Ducie, F.R.S. *Treasurer:* Charles D. Cave. *Honorary Secretaries:* S. H. Swayne and Rev. P. R. Sleeman, F.R.S.A., F.G.S.

Objects.—(1) Formation and maintenance in Bristol of a museum and library; (2) the promotion of science, literature, and the fine arts.

Offices in Queen's Road, Bristol, comprising a museum of zoology, geology, ethnology, archæology, and industrial products; a library containing upwards of 50,000 volumes, a news-room, and a lecture-room.

Membership.—Possession of a share or shares, or subscribing to the whole or a part of the Institution.

BRISTOL NATURALISTS' SOCIETY.

(FOUNDED MAY 1862.)

Officers.—*President:* John Beddoe, M.D., F.Z.S., F.R.S.
Honorary Secretary: A. Leipner.

Objects.—The promotion of the study of natural history.

Offices.—Address the Honorary Secretary, 47 Hampton Park, Clifton, Bristol. A library is available to members in the rooms of the Museum and Library, where also meetings of the Society are held for the reading and discussion of papers, and in the summer months parties are arranged for field excursions. Visitors introduced by members may attend.

Membership.—There are honorary members, ordinary members (who pay 10s. annually), and associates. The number of members on the roll is 185.

Sections are engaged in special work—Botanical, Chemical and Physical, Entomological, Geological. The Society continues the publication of catalogues of the natural history of the district, which forms part of the annual volume of its *Proceedings* (J. Fawn & Sons, Bristol).

BURNLEY LITERARY AND SCIENTIFIC CLUB.

(ESTABLISHED 1873.)

Officers.—*President:* Henry Houlding.
Treasurer: James Kay. *Secretary:* James Mackenzie, M.D.

Objects.—The interchange of opinions among the members on matters pertaining to literature and science, and more particularly in relation to objects of local interest.

Offices.—Meet in the Burnley Council Chamber. Small library, &c.

Meetings.—Weekly from September to April, for reading and discussion of papers.

Membership.—Members are elected by ballot. Subscription, 10s. per annum. Number of members, 210.

BURTON-ON-TRENT NATURAL HISTORY AND ARCHÆOLOGICAL SOCIETY. (Founded 1876.)

Officers.—*President:* The Rev. C. F. Thornewill, M.A.
Treasurer: J. T. Harris. *Secretary:* Frank E. Lott.

Objects.—The promotion and encouragement of the practical study of natural history, archæology, and general science.

Offices.—Horninglow Street, include a museum and small library. Office hours, Tuesday evenings, 7.30 to 9.

Meetings.—Once a month in winter for reading and discussion of papers; in summer for field work. Occasional sectional meetings and field days in addition.

Membership.—Candidates for membership to be proposed and seconded by two members of committee, and elected by majority of the members present at a general meeting. Subscription, 5s.; associates, 1s. (under 18 elected by committee). Number of members, 181.

Committees.—Sub-committees for special purposes. Sectional leaders and secretaries appointed.

CAMBRIDGE NATURAL SCIENCE SOCIETY.

No information.

CAMBRIDGE PHILOSOPHICAL SOCIETY.

(Founded 1819. Incorporated 1832.)

Officers.—*President:* J. W. L. Glaisher, F.R.S. *Treasurer:* J. W. Clark, M.A.
Secretaries: Coutts Trotter, M.A., Trinity College; R. T. Glazebrook, M.A., F.R.S., Trinity College; S. H. Vines, M.A., Christ's College.

Objects.—To promote scientific inquiry, and facilitate the communication of facts in connection with the advancement of philosophy and natural history.

Offices.—Apply to the Honorary Secretary, New Museums. The library is in a room in the museum building. Fellows may take out books.

Meetings.—On Mondays once every fortnight during full term, at 8.30 P.M., in one of the new lecture-rooms.

Membership.—Graduates of the University are eligible. They are proposed by three or more fellows, one from personal knowledge, and balloted for at a general meeting. Entrance fee, £1, 1s.; subscription, £1, 1s.; life composition, £10, 10s. Residents in the neighbourhood, not being graduates, proposed by three fellows, may be elected associates for three years. The Society adjudges every three years the Hopkins Prize for the best original memoir, invention, or discovery in mathematics or physics. It is confined to those who are, or have been, members of the University.

Communications must be sent to the Secretary, or personally presented by a fellow.

CARDIFF NATURALISTS' SOCIETY.

(Founded 1867.)

Officers.—*President* and *Treasurer:* Peter Price. *Secretary:* C. T. Vachell.

Objects.—To study natural history, geology, the physical sciences, archæology,

art, literature, and other kindred subjects; and form a museum in connection with the Free Library.

Offices.—Town Hall, Cardiff. Library of 50 volumes.

Meetings.—Every fortnight during the six winter months, and three field meetings in summer.

Membership.—Candidates must be proposed and seconded by members, at any meeting of the Society, and balloted for at the next meeting. Subscription, 10s.

CHATHAM LITERARY AND SCIENTIFIC SOCIETY.

No information.

CHELTENHAM NATURAL SCIENCE SOCIETY.

(FOUNDED 1877.)

Officers.—*President:* Dr Thomas Wright, F.R.S.
Treasurer: A. Le Blanc. *Honorary Secretary:* E. Wethered, F.G.S.

Objects.—Promotion of natural science.

Offices.—Assembly Rooms, Cheltenham. Library of 184 volumes.

Meetings.—Third Thursday in each month, at 7.30 P.M., October to April.

Membership.—10s. annual subscription. Number of members, 94.

Communications sent to Secretary, who lays them before the committee. Proceedings published in the *Cheltenham Examiner*, from which copies are struck off in pamphlet form and bound into volumes at the end of the session.

CLEVELAND LITERARY AND PHILOSOPHICAL SOCIETY.

(*Founded as the Middlesbrough Anthenæum in* 1863.)

Officers.—*President:* H. G. Reid. *Treasurer:* Jon. Backhouse & Co.
Hon. Secretaries: Fred. Brewster and Wm. T. Knaggs.

Objects.—To encourage literature, science, and art.

Offices.—Corporation Row, Middlesbrough. The library contains several thousand volumes.

Meetings.—Twice monthly, from November to April.

Membership.—Candidates must be proposed by one member, and elected by the Council. Honorary members elected by the Council. Subscription—gentlemen, £1, 1s.; ladies and associates, 10s. 6d.; ladies residing with members, 5s.

CLEVELAND NATURALISTS' FIELD CLUB.

(FORMED 1881.)

Officers.—*President:* Thomas Field Ward. *Secretary:* John S. Calvert.

Objects.—The study of natural history, science, archæology, and antiquities.

Offices.—At the Cleveland Literary and Philosophical Society's Hall, Middlesborough.

Meetings.—From six to eight field meetings are held in each season.

Membership.—Annual subscription, 2s. 6d.; entrance fee, 2s. 6d. Number of members, 86.

CORNWALL ROYAL INSTITUTION.

(INSTITUTED FEBRUARY 1818.)

Officers.—*President:* A. Pendarves Vivian, M.P. *Treasurer:* A. C. Willyams. *Secretaries:* H. Michell Whitby and Major Parkyn.

Objects.—The study of natural philosophy, natural history, and antiquities.

Offices.—The Museum, Truro; open daily; library illustrative of above subjects.

Meetings.—Spring meeting in May; excursion in August; monthly meeting during the winter months.

Membership.—Subscription, £1, 1s. Number of members, 200.

Communications are read at above meetings, and published in *Journal* twice annually.

CORNWALL ROYAL POLYTECHNIC SOCIETY.

(FOUNDED 1833, BY THE DAUGHTERS OF THE LATE R. W. FOX, F.R.S., AND OTHERS.)

Officers.—*President:* The Earl of Mount Edgcumbe. *Honorary Secretary:* (Meteorological) W. L. Fox, F.M.S. *Secretary:* Edward Kitto, F.M.S.

Objects.—The encouragement of science and the fine and industrial arts.

Offices.—The Polytechnic Hall, Falmouth. The library has the *Transactions* of many scientific and literary societies. Members may borrow books. Hours, 10 A.M. to 6 P.M.

Meetings.—The annual autumn exhibition has departments for (1) mechanics generally, including industrial, sanitary, and domestic inventions; (2) naval architecture; (3) fine arts, including original designs adapted for manufactures in serpentine, granite, porphyry, terra cotta, &c; (4) photography; (5) natural history (collections of specimens); (6) art needlework and British lace; (7) maps, drawings, plain needlework, &c., in competition for special prizes.

Membership.—The minimum annual subscription for gentlemen is 10s., for ladies 5s. Number on roll, 300.

Committees meet at the principal district centres of the county to promote the objects of the Society. Prizes, medals, and money are awarded in a number of miscellaneous commemorative competitions, besides those given for meritorious objects in the departments enumerated above.

Communications for reading and discussion (if desired) during the exhibition week are subject to the approval of the general committee.

COTTESWOLD NATURALISTS' FIELD CLUB.

(FOUNDED 1846.)

Officers.—*President:* Sir W. Guise, Bart. *Hon. Secretary:* W. H. Paine, M.D.

Objects.—To promote science and the practical study of geology, botany, and archæology.

Offices.—Apply to the Honorary Secretary at Stroud.

Meetings.—Five field and four evening meetings are held.

CUMBERLAND ASSOCIATION FOR THE ADVANCEMENT OF LITERATURE AND SCIENCE. (1876.)

Consisting of the following Societies:—Whitehaven Scientific Association, Keswick Literary and Scientific Society, Workington Scientific and Literary Society, Maryport Literary and Scientific Society, Longtown Literary and Scientific Society Carlisle Scientific Society and Field Naturalists' Club, Ambleside and District Literary and Scientific Society, Silloth and Holme Cultram Literary and Scientific Society, Brampton Literary and Scientific Society and Field Naturalists' Club, Penrith and District Literary and Scientific Society, Windermere Literary and Scientific Society, and of such other Societies as shall be duly affiliated.

Officers.—*President:* R. S. Ferguson, M.A., LL.M.
Treasurer and *Secretary:* Robert Crowder, M.A.

Objects.—To promote the cause of science and literature by means of lectures, papers, addresses, discussions, conversaziones; and to provide a means of union between the local science societies of Cumberland and Westmoreland, and to publish selected original papers of members, &c.

Offices.—Secretary's residence, Eden Mount, Stannix, Carlisle.

Meetings.—Annual meeting (usually in May) of members of affiliated societies in Cumberland and Westmoreland, and of "Association members."

Membership.—Includes all members of the eleven affiliated scientific societies, each society paying a capitation grant on its number of members; also about 24 "Association" members paying 5s. per annum. Number of members, 1366.

DEVONSHIRE ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, LITERATURE, AND ART.

Apply to the Rev. W. Harpley, Clayhanger Rectory, Tiverton.

DONCASTER MICROSCOPICAL AND GENERAL SCIENTIFIC SOCIETY. (Founded 1880.)

Officers.—*President:* Rev. Canon Brock. *Treasurer* and *Hon. Secretary:* M. H. Stiles.

Object.—To afford oportunity for mutual study to those interested in natural science.

Offices.—The committee meets at the President's house. Library very limited.

Meetings held at 8 P.M., on alternate Wednesdays from October to May.

Membership.—Candidates must be proposed and seconded, and balloted for at the subsequent meeting. Member's subscription, 5s.; associates, 2s. 6d. Number of members, 80.

Communications.—Abstracts of papers appear in local newspapers.

DORSET NATURAL HISTORY AND ANTIQUARIAN FIELD CLUB. (Founded 1875.)

Officers.—*President:* J. C. Mansell-Pleydell.
Treasurer: Rev. O. P Cambridge. *Secretary:* Jas. Buckman.

Objects.—To make excursions chiefly to interesting sites in the county to examine its geology, botany, and general natural history, and to investigate the camps, barrows, &c.

Meetings.—Held generally at an hotel, where papers are read and discussed.

Membership.—Honorary members are elected. Subscribing members are proposed and seconded by members, and pay 10s. annually. Number of members, 250.

EASTBOURNE NATURAL HISTORY SOCIETY.

No information.

EBBW VALE LITERARY AND SCIENTIFIC INSTITUTE. (Founded 1850.)

Officers.—*President:* W. H. Powell. *Honorary Secretary:* H. Bumby.

Objects.—Scientific classes, instructive lectures, and recreation.

Offices.—Address the Secretaries, Ebbw Vale, Monmouthshire.

Membership.—The Institute has a complete laboratory, class rooms, and a library of 2000 volumes. Number on the roll, 200 to 250.

ESSEX FIELD CLUB. (Founded 1881).

Officers.—*President:* Prof. G. S. Boulger, F.L.S., F.G.S.
Honorary Secretary: Wm. Cole.

Objects.—The study and investigation of the natural history, geology, and prehistoric archæology of the county of Essex; the publication of the results of such investigations; the formation of a library of local and scientific works; and the formation of a museum to illustrate the natural productions of Essex.

Offices.—The headquarters of the club are at Buckhurst Hill. There is the library of 400 volumes, and the museum, including only specimens of Essex natural history, geology, and prehistoric archæology.

Meetings.—About once a month for the reading and discussion of papers, the exhibition of specimens, &c. During the summer months field meetings are held in the county and elsewhere, and occasional intermediate visits to museums, lectures, &c., take place. The annual Cryptogamic Show is in October.

Membership.—Election is by ballot on the proposal of two members. The annual subscription for a lady or gentleman, 10s. 6d.; composition for life membership, £5, 5s. Visitors introduced by a member may attend the meetings. Number on the roll, 400.

Committees conduct particular investigations, and report in furtherance of the objects of the Society.

Communications.—Papers read to the Club become its property, and may be selected for publication in its annual *Transactions*, 8vo.

GLOUCESTER LITERARY AND SCIENTIFIC ASSOCIATION. (Founded 1838.)

Officers.—*President:* Dr Needham. *Secretary:* Henry Medland.

Objects.—The advancement of literature, science, and the arts, by lectures and occasional meetings, and by the establishment of a library.

Offices.—The library consists of about 1500 volumes. Apply at the library, 33 Southgate Street, Gloucester.

Meetings are held in the winter months, when eight lectures are delivered.

Membership.—Candidates are elected by the committee after being proposed and seconded. Annual payment, 10s. 6d.

GOOLE SCIENTIFIC SOCIETY. (Founded 1875.)

Officers.—*President:* Robert Blair. *Secretary:* John Harrison.

Objects.—To investigate the natural history of the neighbourhood.

Meetings.—Monthly in winter for the reading of papers on scientific subjects. Monthly excursions in summer, to investigate the flora and fauna of the district.

Membership.—Members' subscription, 2s. 6d. Number of members about 70.

Committees.—Recorders appointed for the different sections.

GOSPORT AND ABERSTOKE LITERARY AND SCIENTIFIC INSTITUTION. (Founded 1858.)

Officers.—*President:* J. R. Kealy. *Honorary Secretary:* W. Short.

Offices.—At Gosport, with library (from which members can borrow books), reading-room, &c.

Meetings.—Monthly for reading and discussion of papers, and occasional lectures.

Membership.—Subscription for ordinary members is 10s.; for ladies, 5s.; honorary members, 12s. Number of members about 90.

HALIFAX PHILOSOPHICAL AND LITERARY SOCIETY. (Founded 1830.)

Officers.—*President:* L. J. Crossley.

Treasurer: J. Bowman. *Secretaries:* S. Rigge and W. Davis.

Offices.—There is a museum and library of 14,000 volumes.

Meetings held in the Philosophical Hall, Harrison Road, on the first Tuesday in the month, from October to May.

HASTINGS AND ST LEONARDS PHILOSOPHICAL SOCIETY. (Founded 1858.)

Officers.—*President:* F. Bagshawe, M.D.

Treasurer: J. G. O'Neill. *Honorary Secretaries:* A. L. Ward and Philip Cole.

Objects.—To encourage and advance literary and scientific knowledge.

Offices.—Apply to the Secretary, 4 St Paul's Place, St Leonards-on-Sea.

Meetings held at the Castle Hotel Assembly Room, Hastings, on Tuesdays or Wednesdays, at 8 P.M., from November to April both inclusive, when papers are read and discussed.

Membership.—Election by ballot, except in the case of ladies, who are simply nominated, but have no votes. Subscription, 10s. 6d. per annum; lady members, 7s. 6d. Number of members about 70.

Communications.—The Society does not, as a rule, publish transactions, but issues an Annual Report.

HERTFORDSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB.

(*Founded* 1875 *as the Watford Natural History Society and Hertfordshire Field Club. Reconstituted* 1879.)

Officers.—*President:* Earl Cowper, K.G. *Treasurer:* C. R. Humbert. *Honorary Secretaries:* F. G. Lloyd and R. B. Croft.

Objects.—(*a*) To investigate any subject of a scientific nature relating to the county; (*b*) to publish the results of such investigation; (*c*) to disseminate amongst its members information on natural history and microscopical science; (*d*) to influence landowners and others in the county for the protection of characteristic and rare plants, birds, fish, and other animals.

Offices.—Address the Honorary Secretaries—F. G. Lloyd, Westleigh, Watford; R. B. Croft, R.N., Fanhams Hall, Ware. The library has about 1000 volumes, chiefly scientific journals and botanical works. Books are lent to members. The herbarium includes the specimens collected by Coleman and Webb for their *Flora Hertfordiensis.*

Meetings.—The anniversary meeting, at Watford Public Library, is in February, and opening meeting in October. Ordinary and bye meetings are held during the winter and spring at Watford and Hertford, and occasionally at St Albans, Ware, and Hoddesden. Field meetings are held for various pursuits in every part of the county.

Membership.—Honorary members are eminent naturalists not resident in the county. Members (including ladies) are proposed by two members, one from personal knowledge, are balloted for, and on election pay 10s. entrance fee, and 10s. annually, or £5 for life subscription. Number of members, 279.

Committees.—Members are invited to communicate information to "recorders," who are selected for each particular research.

Communications by members, or transmitted by them to be read at meetings, must be addressed to the Honorary Secretaries; and the Council subsequently select certain papers, which are printed *in extenso* or in abstract in the *Transactions,* issued in parts.

HULL LITERARY AND SCIENTIFIC SOCIETY.

No information.

IPSWICH SCIENTIFIC SOCIETY,

THE MUSEUM, HIGH STREET.

No information.

KEIGHLEY SCIENTIFIC AND LITERARY SOCIETY.

(FOUNDED 1881.)

Officers.—*President:* G. A. Millar. *Treasurer:* Alfred Bottomley. *Secretaries:* Alexander Keighley and W. H. Whitaker.

Objects.—To encourage the study of science, literature, and art.

Offices.—The Museum; with scientific collections, apparatus, &c., and small library.

Meetings.—Fortnightly, on Thursdays, at 8 P.M., for papers and lectures. Excursions on Saturdays occasionally.

Membership.—Subscription—honorary members, 10s. 6d.; ordinary members, gentlemen 4s., ladies 2s. 6d.; rural and junior members 2s. 6d. and 1s. 6d. Corresponding members free.

Sections.—Botany and Physiology, meeting at 8 P.M., on alternative Fridays.

WEST KENT NATURAL HISTORY, MICROSCOPICAL, AND PHOTOGRAPHIC SOCIETY. (FOUNDED 1860.)

Officers.—*President:* Rev. A. Johnson, F.G.S. *Treasurer:* Travers B. Wire. *Honorary Secretaries:* Henry Hainworth and Hugh Wilson.

Objects.—To study natural history and promote microscopic research and photography.

Offices.—Address, West View, Clarendon Road, Lewisham, S.E. There is a library.

Meetings.—Fourth Wednesday in the month, from October to May, excepting in December, when the meeting is on the third Wednesday.

Membership.—Subscription, 10s. 6d.; or £5, 5s. life subscription. Number of members, 112.

Communications.—Papers read at the meetings are published with the Report of the Council.

LANCASTER LITERARY AND SCIENTIFIC SOCIETY, QUEEN'S PLACE.

No information.

LEEDS NATURALISTS' CLUB.

(FOUNDED 1870.)

Officers.—*President:* Washington Teasdale. *Treasurer:* W. Denison Roebuck. *Secretary:* Henry Pollard.

Objects.—(1) The minute investigation of the natural history (in all its branches) of the immediate neighbourhood of Leeds, and a more general investigation of the whole of the West Riding; and eventually the preparation of a comprehensive account of the natural history of the district. (2) To cultivate a taste for scientific knowledge amongst the inhabitants of Leeds, to combine and strengthen individual effort, and afford facilities for the reading and discussion of papers on scientific subjects.

Offices.—At the Philosophical Hall, Leeds. The library contains about 300 volumes, numerous pamphlets, &c. Members may borrow books.

Meetings held every Monday evening, at 8 P.M.

Membership.—Annual subscription is not less than 6s. Ladies are eligible for election. Number of members, 217.

Communications to be addressed to the Secretary; when containing notes on natural history must be authenticated by the full name and address of the correspondent.

LEEDS PHILOSOPHICAL AND LITERARY SOCIETY.

(FOUNDED 1820.)

Officers.—*President:* J. E. Eddison.
Treasurer: H. V. Oxley. *Secretary:* W. F. Husband.

Objects.—Advancement of science, literature, and art in the town of Leeds.

Offices.—At the Museum, Park Road, where there is a library, zoological and geological collections, &c.

Meetings.—Lectures and papers are read before the Society at meetings.

Membership.—There are several classes of members, with varying subscriptions from 7s. 6d. to 2 guineas. Number of members about 630.

Communications—A record of meteorological observations is kept and published in the Annual Report.

LEICESTER LITERARY AND PHILOSOPHICAL SOCIETY. (FOUNDED 1837.)

Officers.—*President:* Rev. E. Atkins, B.Sc. *Treasurer:* A. Paget. *Secretaries:* Hon. corresponding secretary, R. Harvey, LL.B.; general sectional secretary, Montague Browne, F.L.S.

Objects.—The general cultivation of literature, science, and art.

Offices.—Town Museum. Hours—10 to 4 in winter, 10 to 7 in summer. All the lectures are given in the New Lecture Hall, Museum. Small library.

Membership.—Candidates must be proposed and seconded at one meeting and submitted for election at a subsequent meeting. Subscription, £1, 1s.; life composition, £10, 10s.; honorary members elected as above with sanction of Council; associates, 10s. 6d. Number of members, 315.

Committees.—Five sectional committees, for Astronomy, Physics, Chemistry, Archæology, Literature, Economics, Geology, Biology, and Zoology.

LEWISHAM AND BLACKHEATH SCIENTIFIC ASSOCIATION. (FOUNDED 1879.)

Officers.—*President:* J. K. Laughton, R.N., M.A., F.R.A.S., F.R.G.S.
Hon. Secretaries: H. W. Jackson, M.R.C.S.; and M. L. Saunders.

Objects.—The diffusion of scientific knowledge amongst its members—(*a*) by the reading and discussion of papers and by lectures; (*b*) by reports on the progress of science; (*c*) by exhibition of objects of interest and new inventions; (*d*) by excursions, field meetings, and visits to museums, workshops, &c.

Offices.—Correspondence should be addressed to the Honorary Secretaries—H. W. Jackson, 159 High Street, Lewisham, S.E.; or to M. L. Saunders, 36 Lee Terrace, Lee, S.E.

Meetings are held in the Public Hall, Avenue Road, Lewisham, on Monday the 7th January, and on the first Tuesday in the months of February to May, and October to December. Ladies are invited to attend.

Membership.—Candidates must be proposed by two members, one from personal knowledge. The subscription is 10s. 6d. annually. The number of members is about 120.

LIVERPOOL LITERARY AND PHILOSOPHICAL SOCIETY. (Founded 1812.)

Officers.—*President:* Richard Steel. *Honorary Treasurer:* R. C. Johnson, F.R.A.S. *Honorary Secretary:* James Birchall.

Objects.—To read papers on literature, philosophy, natural history, science and fine arts, and to form a library.

Offices.—The library contains several hundred volumes, chiefly the *Transactions* of British and foreign societies, with whom it exchanges *Proceedings.* Books are lent to members. Address of Secretary, Kirkdale, Liverpool.

Meetings are held at the Royal Institution, Liverpool, every alternate Monday evening from October to April, excepting one week at Christmas.

Membership.—Candidates are elected on the nomination of two members, and are required to pay entrance fee of 10s. 6d. and annual subscription of £1, 1s. Associates are also elected being masters of vessels, and others engaged in marine pursuits who have peculiar facilities for adding to the scientific interest of the Society's *Proceedings.* Honorary members are elected for life, and corresponding members for ten years, but capable of re-election. Number of members, 322.

Communications.—All communications made to the Society must be presented by a member, but any person not a member may, with the sanction of the Council, read an unpublished paper or essay.

LIVERPOOL PHILOMATHIC SOCIETY.

(Established 1825.)

Officers.—*President:* Walter Pierce. *Treasurer:* Wm. Unwin. *Secretary:* Frederick Broadbridge, 15 Lord Street, Liverpool.

Objects.—To discuss all subjects except controversial theology.

Meetings.—Alternate Wednesday evenings from September to April, at the Royal Institution, Colquitt Street, Liverpool.

Membership.—Candidates to be proposed and seconded by members. Entrance fee, 21s. ; annual subscription, 10s. 6d. Number of members, 380.

MACCLESFIELD SCIENTIFIC STUDENTS' ASSOCIATION. (Founded 1880.)

Officers.—*President:* John Dale, F.R. Met. Soc.
Treasurer: William Frost. *Secretary:* Alfred Rowley.

Objects.—To promote scientific study and research.

Offices.—Useful Knowledge Society's Rooms.

Meetings.—Saturdays—in afternoon, excursions; in evening, papers, lectures, &c.

Membership.—Candidates proposed by two members. Subscription, 10s. Number of members, 19.

Sections.—Botanical, Chemical, and Microscopical.

Communications.—Papers read at meetings; manuscripts collated.

MAIDENHEAD NATURALISTS' FIELD CLUB AND THAMES VALLEY ANTIQUARIAN SOCIETY

(*With which are affiliated "Bucks Architectural and Archæological Society," and "Wilts Archæological and Natural History Society."* *Founded* 1871).

Officers.—*President:* W. B. Farr.
Treasurer: W. S. Day. *Honorary Secretary:* James Rutland.

Objects.—Archæology, Antiquities, Natural History, and Science.

Offices.—Athenæum, Reading.

Meetings.—Monthly.

Membership.—Candidates must be proposed and seconded. Gentlemen, 10s.; ladies, 2s. 6d. Number of members, 169—54 ladies.

MANCHESTER FIELD NATURALISTS' AND ARCHÆOLOGISTS' SOCIETY. (Founded 1860.)

Officers.—*President:* Leo. H. Grindon.
Treasurer: W. Carr. *Secretary:* Alfred Griffiths.

Objects.—To promote and popularise a taste for the study of natural history and archæology, and generally to encourage a love for the beautiful in nature.

Offices.—16 Kennedy Street, Albert Square, Manchester.

Meetings.—Frequent excursions into the country during the summer months. One or more soirées, and occasional meetings for the reading of papers, during the winter.

Membership.—Subscription, 10s. 6d. Number of members about 200.

MANCHESTER LITERARY AND PHILOSOPHICAL SOCIETY. (Founded 1781.)

Officers.—*President:* Henry Enfield Roscoe, F.R.S. *Treasurer:* Charles Bailey.
Secretaries: Joseph Baxendell and Osborne Reynolds, F.R.S.

Objects.—To promote literature and science.

Offices.—36 George Street, Manchester.

Meetings on alternate Tuesdays, at 7 P.M., from October to April. Physical section meetings on alternate Tuesdays at 6 P.M. Microscopical meetings on alternate Mondays at 6 P.M.

Membership.—Recommendation by not less than three ordinary members, and payment of £2, 2s. entrance fee and £2, 2s. annual subscription. The members are honorary, corresponding, and ordinary.

Sections.—First, Physical and Mathematical; second, Microscopical and Natural History.

Communications.—Approval by the Secretaries needed, and afterwards by the Council, before printing in the *Memoirs*.

MANCHESTER SCIENTIFIC STUDENTS' ASSOCIATION. (Founded 1861.)

Officers.—*President:* Prof. W. C. Williamson, F.R.S.
Treasurer: Samuel Massey. *Honorary Secretary:* C. P. Bahin, Ph.D.

Objects.—The reading and discussion of papers on scientific subjects, and the exhibition of microscopes, natural history specimens, &c.

Offices.—97 Bridge Street. Attendance on Saturdays from 11 to 1, on other days from 12 to 3. Library of about 500 volumes.

Meetings.—From October to April on Wednesday evenings, at the Memorial Hall, Albert Square, at 7.30 P.M. During the summer months excursions are made for the field-study of botany, geology, &c.; and visits are also made to works.

Membership.—Annual subscription for ordinary members, 10s.; entrance fee, 2s. 6d. Candidates proposed by two members, one of them from personal knowledge. Members have the right of attending all the ordinary meetings, excursions, and soirees of the association, and of introducing a visitor to any ordinary meeting or excursion. Number of members, 367.

ISLE OF MAN NATURAL HISTORY AND ANTIQUARIAN SOCIETY.

Officers.—*President:* Rev. W. Kermode.
Treasurer: Miss A. Crellin. *Secretary:* Rev. E. B. Savage, M.A.

Objects.—The practical study of natural history and antiquities, especially of the Isle of Man.

Offices.—Apply to the Secretary, St Thomas's Vicarage, Douglas. It is proposed to form a museum and library.

Meetings.—Evening meetings held alternately in Douglas and Ramsey, from October to April (both inclusive) once in five weeks, for exhibition of specimens and reading of papers. During the summer months three or more field meetings are held.

Membership.—Ordinary members' subscription, 5s.; ladies, 2s. 6d. Candidates proposed and seconded in writing and elected by ballot. Number of members, 65.

Committees.—Dredging committee.

Communications.—Communications received and published at the discretion of the officers, and by consent of the author.

NEWBURY DISTRICT FIELD CLUB.

(FOUNDED 1870.)

Officers.—*President:* Wm. Geo. Mount.
Treasurer: Jas. B. Barnes. *Secretary:* Walter Money, F.S.A.

Objects.—To investigate the natural history, antiquities, &c., of the locality.

Offices.—Newbury.

Meetings.—Field excursions during the summer.

Membership.—Subscription, 5s. a year. Number of members, 130.

NORWICH SCIENCE GOSSIP CLUB.

(FOUNDED 1870.)

Officers.—*President:* T. Irwin Dixon.
Treasurer: Jno. De Caux. *Secretary:* F. H. Ellingham.

Objects.—To promote among its members a spirit of inquiry and investigation of scientific and literary knowledge.

Offices.—Apply to the Secretary, Thorpe, St Andrew, Norwich.

Library.—About 25 volumes, and sundry pamphlets.

Meetings on alternate Wednesdays from September to May, at Royal Hotel, Norwich, with occasional excursions in summer,—for the reading of papers, discussion, and exhibition of objects of scientific interest.

Membership.—Every one joining the Club must give a paper on some scientific or literary subject. Subscription, 4s. yearly. Number of members, 60.

NOTTINGHAM LITERARY AND PHILOSOPHICAL SOCIETY,

SCHOOL OF ART, WAVERLEY STREET.

No information.

OSWESTRY & WELSHPOOL NATURALISTS' FIELD CLUB & ARCHÆOLOGICAL SOCIETY. (Founded 1857.)

Officers.—*President:* Right Rev. the Bishop of Bedford.
Treasurer and Secretary: Rev. O. M. Feilden.

Meetings.—Four or five during the summer months of each year, with excursions in search of objects of interest—geological, botanical, entomological, archæological, &c.

Membership.—Subscription, 5s. Number of members, 40.

OXFORD ASHMOLEAN SOCIETY.

(Instituted 1828.)

Officers.—*President:* A. G. Vernon Harcourt, M.A., F.R.S., Christ Church. *Treasurer:* Prof. Westwood, M.A. *Secretary:* E. B. Poulton, M.A., Jesus College. *Librarian:* W. H. Jackson, M.A., New College.

Objects.—To promote a taste for natural history, experimental philosophy archæology, and other branches of natural knowledge.

Offices.—Apply to the Secretary, Jesus College. The library is in the University Museum, and is open daily 10 to 4 all the year; and on Monday and Thursday evenings 7 till 9 during term.

Meetings.—Usually twice every term; open to members and those introduced by them. Papers are read, and occasional public meetings are held.

Membership.—Ordinary members must be graduates of some university; but the committee may nominate as ordinary or honorary members persons likely to contribute towards the objects of the Society.

Committees.—Undergraduate members of the University are eligible as associates. Ordinary members, £1. 1s. annually during residence; associates, 10s. 6d. There are 60 resident members.

Communications.—All questions relating to publishing papers and illustrations shall be decided by the committee.

PENZANCE NATURAL HISTORY AND ANTIQUARIAN SOCIETY. (Founded 1839.)

Officers.—*President:* John Ralfs.
Treasurer: F. Boase. *Secretary:* G. B. Millett.

Objects.—(*a*) To cultivate the science of natural history; (*b*) to promote the study of the antiquities of Cornwall illustrative of its aboriginal inhabitants, of its Roman invaders, and of its early mining operations; (*c*) to provide and maintain a public depository for the preservation of relics.

Offices.—The museum at the Public Buildings, where is the library of about 300 books.

Meetings.—During the winter months, usually on the second Friday in the month, at 8 P.M.; the annual excursion in September to some locality of interest; and the general meeting on a convenient date in October or November. Visitors introduced by a member may attend the meetings and have access to the museum.

Membership.—Includes honorary members, life, and ordinary members, gentlemen and ladies, who are proposed by two members, and, if considered eligible by the committee, pay on election 10s. 6d., or £5. 5s. as a life subscription. Number of members enrolled, 83.

PETERBOROUGH NATURAL HISTORY, SCIENTIFIC, AND ARCHÆOLOGICAL SOCIETY. (FOUNDED 1872.)

Officers.—*President:* The Very Rev. the Dean of Peterborough.
Treasurer and *Secretary:* J. W. Bodger, 18 Cowgate, Peterborough.

Objects.—To cultivate a taste for the study of natural history and kindred subjects. To make complete lists of the fauna and flora of the neighbourhood, both recent and fossil; to record sections of exposed strata; to establish a museum and permanent library, more particularly of scientific works.

Offices.—Museum and Library, Long Causeway.

Meetings held monthly, at which lectures are given or papers read, followed by discussions. Field excursions are made.

Membership.—Candidates must be proposed and seconded, and elected by a majority. Subscription, 21s., 10s. 6d., or 5s. Number of members, 126.

THE PLYMOUTH INSTITUTION & DEVON & CORNWALL NATURAL HISTORY SOCIETY. (FOUNDED 1812.)

Officers.—*President:* D. Slater, M.A. *Treasurers:* S. Cater and E. G. Bennett, M.A. *Secretaries:* J. C. Inglis, C.E.; Arthur J. Jewers, F.S.A.

Objects.—To advance science, literature, and art.

Offices.—The Athenæum, consisting of lecture hall, museum, art gallery and library of upwards of 2000 volumes.

Meetings.—Lecture by one of the lecturing members on Thursday evenings from October to March, with discussion.

Membership.—Members who sign an agreement to lecture in rotation when called upon form the governing body. Subscription for members and associates 21s.; lady and junior associates, 10s. 6d. Number of members, 240.

Communications.—The *Transactions* are published annually.

PORTSMOUTH LITERARY AND SCIENTIFIC SOCIETY. (FOUNDED 1869.)

Officers.—*President:* W. Grant, J.P.
Treasurer: G. Long. *Secretaries:* J. Ward Cousins, M.D., F.R.C.S.; G. F. Bell.

Objects.—Consideration of literary and scientific topics and discussions.
Offices.—The library is available to members, and books are lent out.
Membership.—Election by ballot. Number of members, 120.

RAMSGATE SCIENTIFIC ASSOCIATION,

BROAD STREET.

No information.

RICHMOND (YORKSHIRE) SCIENTIFIC SOCIETY.

No information.

RIPON NATURALISTS' CLUB AND SCIENTIFIC ASSOCIATION. (Founded 1882.)

Officers.—*President:* The Marquis of Ripon.
Treasurer: W. S. Snow. *Secretary:* B. M. Smith.

Objects.—To study the fauna and flora of the district, with view to publication.

Offices.—Park Street Museum, Ripon, open from 10 A.M. to 10 P.M. Small library, &c.

Meetings held every month, and lectures in winter session (six months).

Membership.—Candidates elected by a majority of two-thirds of the members. Subscriptions, 2s. 6d., 4s., 10s. Number of members, 209.

SALISBURY LITERARY AND SCIENTIFIC SOCIETY.

No information.

SCARBOROUGH PHILOSOPHICAL AND ARCHÆOLOGICAL SOCIETY. (Founded 1831.)

Officers.—*President:* Lord Derwent.
Treasurer: J. W. Woodall. *Secretary:* J. H. Phillips.

Objects.—For the display of illustrative models, examples, specimens, and remains of natural history, antiquities, geology, and physiology.

Offices.—Museum Street, open from 10 till 4 o'clock every day. The library contains 2000 volumes.

Meetings.—Irregular.

Membership.—Subscription, 20s. and 10s. The former entitles subscribers to take books from the library.

SCARBOROUGH SCIENTIFIC SOCIETY.

Apply to G. Massel, Oak House, Oak Road. No information.

SEVERN VALLEY NATURALISTS' FIELD CLUB. (Founded 1863.)

Officers.—*President:* T. Martin Southwell. *Secretary:* R. W. Ralph.

Object.—The practical study of natural history, geology, and archæology.

Offices.—Apply to the Secretary, Honnington Grange, Newport, Salop.

Meetings.—Four annually, three of which are field meetings.

Membership.—Candidates proposed and seconded and elected by ballot. Entrance fee, 5s.; annual subscription, 5s. Number of members, 84, besides lady members, who pay entrance fee of 5s. only.

Communications.—Every member shall deposit a copy of papers read, and if approved they are published in the *Transactions.*

SHEFFIELD LITERARY AND PHILOSOPHICAL SOCIETY. (Founded 1822.)

Officers.—*President:* Rev. Samuel Earnshaw.

Treasurer: John Hobson. *Hon. Secretaries:* Edward Birks and James Wilson.

Object.—To cultivate science and literature.

Offices.—School of Art, include a reading-room and library of about 2000 volumes. Proprietors only may take out books.

Meetings on the first Tuesday of every month except July and August. Eight to ten lectures are delivered annually.

Membership.—Four classes of subscriptions—proprietors, 42s.; class 1, members, 21s.; classes 2 and 3, 10s. 6d. Number of members, 401.

Communications must be sent to the Honorary Secretaries.

SITTINGBOURNE LITERARY AND SCIENTIFIC ASSOCIATION. (Founded 1876.)

Officers.—*Honorary Secretaries:* F. Grayling, R.C.P.; and F. C. Mattison.

Objects.—To advance learning, encourage scientific research, and cultivate a taste for high class literature.

Offices.—The reading-room in Crescent Street is open daily from 10 A.M. till 10 P.M. The reference library contains 100 volumes.

Meetings.—Monthly during the session (November to end of April); and in the summer months excursions are arranged.

Membership.—Members proposed and elected by ballot. Annual subscription to the Society, 5s.; and to the library, 2s. 6d. Number of members about 100.

Communications are accepted and read when approved by the Honorary Secretary and the President.

HARTLEY INSTITUTION, SOUTHAMPTON.

(*Founded by the Bequest of Henry Robinson Hartley,* 1859; *established under a Deed of the Court of Chancery,* 1862.)

Officers.—*President:* F. G. le Feuvre.

Treasurer: W. E. Darwin. *Secretary:* T. W. Shore.

Objects.—To promote the study and advancement of the sciences of natural history, astronomy, antiquities, chemical and oriental literature, and the fine arts, in the town of Southampton.

Offices.—The building contains a reading room, a library of about 21,000 vols.; a museum, principally of objects of natural history and local antiquities; an art gallery, a lecture hall seating 1000 persons, and chemical and scientific laboratories and class rooms. The reading room is open free to the public in the evenings; the museum from 11 to 4 daily, except on Tuesdays; art gallery, on payment of 2d., from 2 P.M. till 4 or 5 P.M., except on Tuesdays.

Meetings.—On Wednesday evenings in the Lecture Hall, and during the winter months a course of science lectures is given.

Membership—The scale of subscription to the library and reading room ranges from 5s. 3d. to £1. 1s. Visitors who pay 1s. 6d. have access to the library for one month, but may not borrow books.

SOUTHAMPTON LITERARY AND PHILOSOPHICAL SOCIETY. (Founded 1864.)

Officers.—*President:* Prof. de Chaumont, M.D., F.R.S.
Treasurer: E. Sheppard. *Honorary Secretary:* Morris Miles.

Objects.—To promote the study of literature and science, including archæology.

Offices.—Hartley Institution, and No. 6 Portland Street, Southampton.

Meetings.—First, second, and third Fridays during the winter months.

Membership.—Subscription, 10s. 6d. per annum. Number of members about 70.

Committees.—Microscopical and Geological sections.

NORTH STAFFORDSHIRE NATURALISTS' FIELD CLUB AND ARCHÆOLOGICAL SOCIETY.

(Founded as a Natural History Society 1865, enlarged its Title 1877.)

Officers.—*President:* James Yates. *Secretary:* Rev. Thos. W. Daltry. *Local Secretaries:* Burslem and Tunstall, D. Sherwin; Cheadle, J. R. B. Masfield; Hanley, J. Haigh; Leek, W. S. Brough; Longton, J. Ward; Newcastle, J. D. Armstrong; Stoke, J. Kirkby; Stow, W. B. Woolley; Uttoxeter, T. S. Wilkins.

Objects.—The practical study of natural history in all its branches, and the cultivation of a fuller knowledge of the antiquities in the neighbourhood.

Offices.—Apply to the Secretary, Madeley Vicarage, Newcastle, Staffs.

Meetings.—The Society is peripatetic, and has excursions to different places in North Staffordshire and neighbourhood on or about the 20th of the months April to October. The programme for the year is settled at the annual general meeting on the 20th March, which is the last of four evening meetings, held on the 20th of November, January, February, and March, at different towns in North Staffs. An address is delivered, or papers are read and discussed, at the evening meetings, and frequently at the excursions.

Membership.—Candidates must be proposed and seconded by members. Number of members, who pay 5s. entrance fee and 5s. annually, 413.

Committees.—There are local Secretaries, &c., for each district centre, and the local secretaries are in correspondence with the general secretary. The meetings of the Society are collective gatherings.

Communications.—Papers read before the Society are published in full or abstract in the Annual Report.

TAMWORTH NATURAL HISTORY, GEOLOGICAL, AND ANTIQUARIAN SOCIETY. (Founded 1870.)

Officers.—*President:* Wm. George Davy.
Treasurer: Henry Thring. *Secretary:* F. A. Grayston.

Objects.—To form a museum and collect specimens in all branches of natural history, &c., organizing lectures on scientific subjects.

Offices.—A library of scientific works, lent to members only.

Meetings are held fortnightly.

Membership.—Members are elected by the committee. Number of members, 142.

TORQUAY NATURAL HISTORY SOCIETY.

(FOUNDED 1844.)

Officers.—*President:* G. Wollen.

Treasurer: E. Vivian. *Honorary Secretary:* Wm. Pengelly.

Objects.—To promote the study of the natural sciences by means of a library, reading-rooms, lectures, and a museum (illustrative of the natural history, archæology, industrial arts, and fine arts of Devonshire exclusively).

Offices.—Museum, Babbacombe Road, where there is a library of 5000 volumes. Many of these are used for reference only in the rooms, but others may be taken out by the members.

Meetings.—General meetings for reading and discussing original papers are held at 8 P.M. on the second Wednesday in each month; and lectures of a miscellaneous character are delivered during the session from November to April, admittance to which is free to members, by payment of 1s. to non-members.

Membership.—Candidates must be nominated in writing by two members to whom they are personally known, and are elected by ballot. Entrance fee, 10s. 6d.; annual subscription, 21s. Number of members, 232.

TYNESIDE NATURALISTS' FIELD CLUB.

(FOUNDED 1846.)

Officers.—*President:* A. S. Stevenson.

Treasurer: R. Y. Green. *Secretaries:* J. Thompson and R. Howse.

Objects.—Chiefly to form catalogues of the natural productions of Northumberland and Durham.

Offices.—The Museum, Natural History Society.

Meetings held in the winter evenings to read and discuss papers; in summer, field meetings.

SOUTH WALES ROYAL INSTITUTION.

(FOUNDED 1835, INCORPORATED 1883.)

Officers.—*President:* Lewis K. Dillwyn, M.P. *Hon. Secretary:* Hort. Huxham.

Objects.—(*a*) The diffusion and advancement of knowledge, in the departments of (1) natural history and applied science, (2) the history and antiquities of Wales, (3) literature and fine arts; (*b*) to form a library and collections to illustrate the above subjects; (*c*) to establish physical laboratories and class rooms; (*d*) to promote the academical usefulness of the Institution by encouraging study and research, and by the delivery and publication of lectures, &c.

Offices.—The Institution established at Swansea is open to members daily from 9 A.M. till 10 P.M.; it comprises the museum, lecture theatre, and reading room, circulating and reference library, rich in Welsh literature, of about 13,000 vols.

Meetings are held during the session, at which free lectures are delivered.

Membership.—The Institution includes members who pay 21s. annually; associates who pay 10s. are admitted during restricted hours, and students who pay fees. Strangers may subscribe for short periods. Number of members, about 300.

WARRINGTON LITERARY AND PHILOSOPHICAL SOCIETY.

(*Founded* 1870 *by Gentlemen then known as the "Warrington Microscopical Society.*)

Officers.—*President:* J. G. Rylands. *Honorary Secretaries:* Charles White, M.R.C.S.; and J. Rymer Young, F.C.S., Sankey Street, Warrington.

Objects.—To encourage literary and philosophical pursuits.

Offices.—The meetings are held at the Warrington Museum, where are a lecture-room, and an extensive library to which the members have access. Correspondence should be addressed to the Honorary Secretaries.

Meetings are held once a month from October to April for the reading and discussion of papers or to hear lectures. These are printed.

Membership.—Number of members, 150 to 200.

WARWICKSHIRE FIELD CLUB.

(FOUNDED 1854.)

Officers.—*President:* Matthew Bloxam, F.S.A.
Honorary Secretary: Rev. P. B. Brodie, M.A., R.D., F.G.S.

Objects.—To promote the study of natural history, geology, botany, and archæology in the field.

Offices.—Apply to the Secretary, Rowington Vicarage, Warwick.

Meetings held at various suitable places during the summer. June meeting sometimes held in a distant place (such as Dovedale), and extends over two days.

Membership.—Subscription, 5s. a year; entrance fee, 2s. 6d. Number of members 84, now limited to 100.

There are four honorary curators—for Geology, Botany, Zoology, and Entomology.

WARWICKSHIRE NATURAL HISTORY AND ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1836.)

Officers.—*President:* J. Cove Jones, F.S.A. *Hon. Secretaries:* Rev. P. B. Brodie, M.A., F.G.S., and Hon. Geological Curator, James Baly.

Objects.—To promote the study of natural history and archæology.

Offices.—At the Museum, Warwick. A small but efficient scientific and antiquarian library and excellent local geological collection.

Meetings.—Lectures given occasionally.

Membership.—£1, 1s. annually. Number of members, 38.

WHITBY LITERARY AND PHILOSOPHICAL SOCIETY, THE PIER.

No information.

WILTSHIRE ARCHÆOLOGICAL AND NATURAL HISTORY SOCIETY. (Founded 1853.)

Officers.—*President*: Nevil Story Maskelyne, M.P.
Treasurer: F. A. S. Locke. *Secretaries*: Rev. A. C. Smith and H. E. Medlicott.

Objects.—For collecting information on the antiquities, natural history, and general history of the county of Wilts.

Offices.—"The Museum," Devizes; where are rooms devoted (1) to antiquities, (2) to natural history, (3) library and committee room.

Meetings.—Quarterly committee meetings (at least). Annual general meeting of the Society, at various parts of the county, such meeting extending to three days.

Membership.—Life membership, £10, 10s.; annual subscription, 10s. 6d.; and entrance fee, 10s. 6d. Number of members, 370.

Communications.—Of *The Wiltshire Magazine* (of which 60 numbers, or 20 volumes, have been published), two numbers per annum are now published. All papers forwarded to the editor (Rev. A. C. Smith), who accepts or rejects at his discretion.

WITNEY NATURAL HISTORY AND LITERARY SOCIETY. (Founded 1858.)

Officers.—*President*: Thomas Purdue.
Honorary Secretary and *Treasurer*: A. Newns.

Objects.—(*a*) The cultivation of the study of natural history; (*b*) the formation of a museum, with specimens of local interest; (*c*) the establishing a library.

Offices.—Members, on application to the President, have access to the museum and library on week days, 10 A.M. to 7 P.M.

Meetings.—Six lectures are usually given in the course of the session (September to April), to which members are admitted free, and visitors on payment.

Membership.—Subscription, 5s. Number of members, 50.

Committees.—Consequent on one of the Society's lectures, an agricultural science class has been established.

WOOLHOPE NATURALISTS' FIELD CLUB, HEREFORD.

Officers.—*President*: Rev. Charles Burrough, M.A.
Treasurer: Thomas Cam, J.P., D.L. *Secretary*: Theophilus Lane.

Objects.—The geology, local fauna, archæology, &c., of the district.

Meetings held at places of interest. Four meetings in the field during the summer.

Membership.—Entrance fee, 10s.; subscription, 10s. Number of members, 150.

Communications.—Papers read at the meetings, and published as their authors wish, a selection being reserved for the *Transactions* of the Club. The *Hereford Pomona* is now finished, and the *Transactions* will be issued again next year. The Society proposes to complete lists of the various natural productions of the county.

YORKSHIRE GEOLOGICAL AND POLYTECHNIC SOCIETY. (1837.)

Officers.—*President:* Marquis of Ripon.
Treasurer: William Cash. *Secretary:* James W. Davis.

Objects.—Geology and kindred subjects, especially in Yorkshire.

Offices.—Apply to the Secretary, Chevinedge, Halifax.

Meetings.—Four during the year at some town in Yorkshire, when original papers are read, &c.

Membership.—Subscription, 13s.; life composition, £6. 6s. Number of members, 220.

Committees.—For exploration of Raygill fissure.

YORKSHIRE NATURALISTS' UNION OF THE NATURAL HISTORY AND SCIENTIFIC SOCIETIES OF THE COUNTY.

(*Founded* 1861 *as* "*West Riding Consolidated Naturalists' Society.*" *Reorganized and name changed* 1876.)

Officers.—*President:* Lord Walsingham.
Secretaries: W. Denison Roebuck and W. Eagle Clarke.

Objects.—To promote the thorough and systematic investigation of the fauna and flora and physical features of the county, and to facilitate friendly intercourse amongst persons interested in the advancement of the natural sciences. These objects it endeavours to attain by means of the publication of *Transactions*, and by the holding of field meetings in various parts of Yorkshire.

Offices.—Leeds. The library includes books obtained by gift or exchange with kindred societies.

Meetings.—Field meetings or excursions are usually held at the rate of one in each of the summer months.

Membership.—Members subscription, 5s. Associates (2400) are the members of affiliated societies. Number of members about 300.

Communications.—*Transactions* are published.

YORKSHIRE PHILOSOPHICAL SOCIETY.

(FOUNDED 1822.)

Officers.—*President:* The Archbishop of York.
Honorary Secretary: J. S. Noble.

Objects.—(*a*) To promote science in the district; (*b*) to collect objects of scientific interest illustrating every branch of natural history, and all remains throwing light on the history of the county from the most remote period; (*c*) to form a library.

Offices.—At the Museum, York; keeper H. M. Platnauer. The library contains 2000 works, accessible to members only.

Meetings on the first Tuesday in the months January to June and October to December, at 2.30 P.M., for the presentation of books and specimens, general business, and the occasional reading of papers. Fortnightly evening lectures in the theatre of the Museum, last week in February to second in April; "demonstrations" in the Museum in the summer months, alternating with excursions to localities of geological interest.

Membership.—Candidates are proposed by three members, and elected by ballot. Entrance fee, £3; and subscription, £2. Ladies and associates pay no entrance fee, and subscribe £1 annually. Number of members, 384.

Communications.—Annual Report includes local meteorological records, observations on height of River Ouse at York, and abstracts of select papers.

SCOTLAND.

ROYAL SOCIETY OF EDINBURGH.

Officers.—*President:* Right Hon. Lord Moncrieff. *General Secretary:* Prof. Guthrie Tait, F.R.S. *Secretaries to Ordinary Meetings:* Wm. Turner, F.R.S., and Alex. Crum Brown, F.R.S. *Curator of Library and Museum:* Alex. Buchan.

History.—This Society sprang partly from the example of the Royal Society of London; but its immediate precursor was the Edinburgh Philosophical Society, founded by M. Saurin in 1737. In 1783 it was resolved (chiefly through the exertions of Robertson the historian) that a new Society should be formed "to include every sort of literature," and comprising two sections, the Physical class and the Literary class. A charter was obtained about the same period. All the members of the Philosophical Society were absorbed in the new Society, and many others were added. Among the early members may specially be mentioned—in the literary class, Principal Robertson, David Hume, Edmund Burke, and Thomas Reid; and in the physical class, James Hutton, Joseph Black, John Playfair, Dugald Stewart, and James Watt. In 1807 the Society migrated from the College Library to the Physicians Hall in George Street. They afterwards purchased No. 40 George Street, in which the meetings were held until they obtained their present rooms at the Royal Institution. The "literary class" of the Society has practically done little work, the number of papers read on other than physical subjects, during the fifteen years before 1877, being less than forty. The library, of about 15,300 volumes, is likewise mainly scientific, and is chiefly rich in *Transactions* of foreign societies, &c.

Offices.—At Royal Institution, Edinburgh, in the Library and Reading-Room.

Meetings.—During the session, meetings for reading and discussion of papers are held.

Membership.—Candidates for admission as ordinary fellows produce a certificate of recommendation signed by four ordinary fellows, two from personal knowledge. This recommendation is laid before the Council, and afterwards printed in circulars for three ordinary meetings of the Society previous to the day of election, which is by ballot. Honorary fellows are persons eminently distinguished for science or literature, in number not exceeding 56, of whom 20 may be British subjects. Honorary members pay no contribution; ordinary fellows, £2, 2s. entrance, and £3, 3s. annually for ten years, and thereafter for fifteen years £2, 2s. annually. All fellows who have paid twenty-five years' annual contribution are exempt from further payment. A non-resident fellow pays £26, 5s. entrance fee, and if thereafter he becomes resident in Scotland, during each year of residence extending to eight years, he pays £3, 3s. annually, and is thereafter exempt. The election is by ballot at the first ordinary meeting of any month during the session, and is

determined by a majority of two-thirds, provided 24 fellows are present and vote. The number of honorary fellows is—foreign 35, British 17; of ordinary fellows, 418.

The Council award periodically the following prizes:—(1) The Keith, biennial, for the best communication on a scientific subject. (2) The MacDougall-Brisbane Prize, biennial, for an essay or paper having reference to any branch of scientific inquiry, and whether material or mental. (3) The Neill, triennial, for a paper of distinguished merit on a subject of natural history, by a Scottish naturalist, presented to the Society during the three years preceding, or (failing such a paper) for a publication by a Scottish naturalist on some branch of natural history, bearing date within five years of the time of award.

Communications.—The Society has published 31 volumes of *Transactions*, 4to; and 12 volumes of *Proceedings*, 8vo.

ROYAL SCOTTISH SOCIETY OF ARTS.

(FOUNDED 1821, INCORPORATED 1841.)

Officers.—*President:* Prof. William Swan, F.R.S.E.

Treasurer: John Scott Moncrieff. *Secretary:* Edward Sang, F.R.S.E.

Objects.—To promote the useful arts and such branches of science as bear upon the useful arts.

Offices.—The Hall of the Society, 117 George Street, Edinburgh.

Meetings on the second and fourth Mondays of each month, November to April, at 8 P.M. Visitors introduced by a member are admitted.

Membership.—The Society includes honorary and ordinary fellows, and associates. Honorary fellows are proposed by the Council; ordinary fellows and associates by an ordinary fellow, and are elected at a subsequent meeting by ballot. An ordinary fellow pays 21s. entrance fee, and 21s. annually. Having paid 21s. annually for twenty years, he is thereafter exempt from further payment. An associate under twenty-five years of age pays 10s. 6d. entrance fee, and 10s. 6d. annually.

Communications.—Select papers are printed in the *Transactions*; and the Society awards medals and money prizes for approved essays from bequest funds which it administers, and the honorary distinction of its own silver medal.

SCOTTISH BANKERS' LITERARY ASSOCIATION, EDINBURGH.

Officers.—*President:* D. B. Haig.

Treasurer: Alexander Wardlaw. *Secretary:* George Cleland.

Object.—Mutual improvement and friendship.

Offices.—Apply to Mr Cleland, Bank of Scotland.

Meetings.—Fortnightly on Mondays, for papers, discussions, debates, &c.

Membership.—Persons must be, or have been, in a Scotch bank. Number of members, 88.

EDINBURGH DIAGNOSTIC SOCIETY.

(FOUNDED 1816, KNOWN BY ITS PRESENT NAME SINCE 1823.)

Officers.—*Presidents:* J. W. Clyde, J. C. B. Geddes, J. C. C. Brown, F. W. Deas.

Treasurer: C. Reid. *Secretary:* A. Constable.

Object.—To write essays on and to debate subjects of general interest.

Meetings held in the College Building, Edinburgh, every Tuesday of the University winter session.

Membership.—Candidates must have matriculated twice at a university, or have passed an equivalent examination, and be above seventeen years of age. Number of members about 35.

EDINBURGH UNIVERSITY PHILOMATHIC SOCIETY.

(FOUNDED 1858.)

Officers.—*President:* W. M. Traill. *Secretary:* W. Thomson, M.A.

Objects.—To afford members opportunities for practice in public speaking and literary composition.

Offices.—Address the Secretary, 122 Lauriston Place, Edinburgh.

Meetings.—Weekly, in the University of Edinburgh. Debates and essays alternate during the session from the beginning of November to the end of March.

Membership.—Open to all matriculated students of the University.

EDINBURGH PHILOSOPHICAL INSTITUTION.

(FOUNDED 1832.)

Officers.—*Chairman:* John Walcot.
Treasurer: James Macandrew. *Secretary:* Henry Bowie.

Offices.—4 Queen Street, Edinburgh.

Membership.—Subscription, £1, 1s.; ladies' subscription, 14s.

Communications.—Lectures are given, and the present session was opened by an address delivered by Right Honourable G. J. Goschen, M.P., on "Laissez-faire, as a Principle of Government."

EDINBURGH TUSCULAN SOCIETY.

Officers.—*President:* George Law.
Treasurer: John Hood. *Secretary:* Alexander Wallace.

Objects.—To diffuse the knowledge of legal, moral, and general science among the members, and to improve them in composition, criticism, and debate.

Offices.—National Bible Society Rooms, 5 St Andrew Square, Edinburgh.

Meetings.—Every Monday from October to the end of March, at 9 P.M.

Membership.—Candidates proposed by at least two members, and balloted for by the Society. The expenses of the Society are defrayed by an equal assessment of the ordinary members. Number of members 185.

ABERDEEN NATURAL HISTORY SOCIETY.

No information.

ABERDEEN PHILOSOPHICAL SOCIETY.

(FOUNDED 1840.)

Officers.—*President:* John Dove Wilson, LL.D. *Secretary:* Alex. D. Milne.

Object.—To receive at meetings original papers and other communications by members on subjects of literature, science, and philosophy.

Offices.—58 Marischal Street, Aberdeen.

Membership.—Ordinary members are elected by ballot. Entrance fee, 21s.; annual subscription, 10s. 6d. Number of members, 166.

Communications.—The Secretary receives communications, and refers them to the Council when necessary.

ALFORD FIELD CLUB AND NATURAL HISTORY SOCIETY.

No information.

ALLOA SOCIETY OF NATURAL SCIENCE AND ARCHÆOLOGY. (Founded 1863.)

Officers.—*President:* Dr Bruce.

Treasurer: Alex. Gardon. *Secretary:* Robert Ramsay.

Objects.—The study of natural science and archæology by the exhibition and preservation of specimens, the reading of communications, by lectures, excursions, and the formation of a library and museum.

Offices.—Museum Buildings. The library contains 200 volumes of a scientific nature. Members may take out books.

Meetings are held monthly.

Membership.—Candidates proposed by two members and elected by ballot. Subscription, 5s. The number of members is 163, including honorary, ordinary, and corresponding.

BANFFSHIRE FIELD CLUB & SCIENTIFIC SOCIETY.

(Founded 1880.)

Officers.—*President:* Rev. Walter Gregor.

Treasurer: J. Yeats. *Secretary:* J. Spence.

Objects.—Cultivation of archæology, geology, and natural science (especially of the district).

Offices.—Address the Secretary, Boyndie House, Banff.

Meetings on the third Thursday of the month during the winter session, for the reading of papers. Excursions to localities of interest during the summer.

Membership.—Election by nomination and ballot. Annual subscription 5s. Number of members 76.

Communications accepted by the Council, and subsequently printed in the *Proceedings.*

BERWICKSHIRE NATURALISTS' CLUB.

(Founded 1831.)

Officers.—*President:* Capt. F. M. Norman, R.N.

Treasurer: Rbt. Middlemas. *Secretaries:* Francis Douglas, M.D., Kelso; and James Hardy, Oldcambus, by Cockburnspath, Berwickshire.

Objects.—"To investigate the natural history and antiquities of Berwickshire and its vicinage."

Offices.—Apply to the Secretaries as above.

Membership.—Candidates are proposed at the monthly meetings by two

members, but are not elected till the meeting in October. Entrance fee is 10s.; subscription, 6s. 6d. Number of members in all about 390.

Communications.—Writers of papers not restricted to members. Papers must be of local import; no general communications admitted.

DALKEITH SCIENTIFIC ASSOCIATION.

J. Macpherson. No information.

DUMFRIESSHIRE AND GALLOWAY SCIENTIFIC, NATURAL HISTORY, AND ANTIQUARIAN SOCIETY.

(FOUNDED 1876.)

Officers.—*President:* Dr J. Gilchrist, M.D.

Treasurer: J. Lennox. *Secretary:* J. Rutherford.

Objects.—To study natural history and antiquarian subjects.

Offices.—Apply to the Secretary, Jardington.

Meetings.—In winter, for reading papers, first Friday in the month; summer excursions first Saturday in the month. Entrance fee, 2s. 6d.; subscription 2s. 6d.; life members, £2, 2s. Number of members about 200.

DUNDEE NATURALISTS' FIELD CLUB.

No information.

DUNDEE NATURALISTS' SOCIETY.

(FOUNDED 1873.)

Officers.—*President:* Dr James Rorie, L.R.C.S.E.

Treasurer: Alexander Simpson. *Secretary:* Frank W. Young, F.R.S.E.

Objects.—To promote and study all departments of natural science, by the exhibition and preservation of specimens, by reading of communications, by lectures, excursions, and the formation of a library and museum.

Offices.—Albert Institute, Dundee. Open 9 A.M. to 10 P.M. About 500 volumes.

Meetings.—Fortnightly from 1st October to 30th April.

Membership.—Candidates must be proposed and seconded at one meeting and balloted for at the next. Ordinary members, 5s.; associates, 10s. 6d. Number of members, 453.

Committees.—Excursion, lecture, museum, and exhibition committees.

DUNDEE UNIVERSITY CLUB.

(FOUNDED 1874.)

Officers.—*President:* Henry Gourlay.

Treasurer: George Anderson. *Secretary:* Alex. Agnew.

Objects.—"To form a bond of union and create a feeling of fellowship among those who have had a university education, to afford means for their intellectual intercourse with one another, and to encourage the higher education in the town of Dundee."

Offices.—Albert Institute, Dundee.

Membership.—Those who have matriculated and attended classes at any university in this or any other country. Annual subscription, 21s. Number of members about 105.

ELGIN AND MORAYSHIRE LITERARY AND SCIENTIFIC ASSOCIATION. (Founded 1836.)

Officers.—*President:* George Duff, M.D.
Treasurer: Major Charles Johnston. *Secretary:* James Gordon Phillips.

Objects.—To encourage the study of literature, ancient history, antiquities, archæology, geology, botany, and natural history; and to collect and arrange objects connected therewith.

Offices.—At the Museum, Elgin, where there is a library of books which have been presented, and are lent out to members.

Meetings.—Monthly. Annual meeting in November.

Membership.—Candidates proposed and seconded by members and sanctioned by directors. Subscription, 5s. Number of members, 165.

GLASGOW PHILOSOPHICAL SOCIETY.

(Founded 1802.)

Officers.—*President:* Henry Muirhead, M.D. *Treasurer:* John Mann, C.A. *Secretary:* John G. M'Kendrick, M.D., LL.D., F.R.S.E., &c. *Honorary Librarian:* John Robertson.

Objects.—To aid the study, advancement, and development of the physical, natural, mental, and moral sciences, and the arts of design, with their applications; and the diffusion of scientific knowledge.

Offices.—207 Bath Street, Glasgow. Library of 9000 volumes, almost entirely scientific, with reading-room containing all the leading scientific periodicals of the world. Open 9.30 A.M. till 8 P.M.

Meetings.—On alternate Wednesdays from November till May. Sections meet frequently.

Membership.—Proposed by three members and balloted for. Entrance fee, 21s.; subscription, 21s. 700 members and 100 associates.

Committees.—Six sections at work, viz., Architectural, Chemical, Physical, Biological, Sanitary and Social, and Geographical.

Communications.—Papers to be submitted to the "papers" committee.

GREENOCK PHILOSOPHICAL SOCIETY.

(Founded 1861.)

Officers.—*President:* James Wallace.
Treasurer: James Bone. *Secretary:* Robert Wight.

Objects.—The promotion of the study of literature, science, and art.

Offices.—Apply to the Secretary.

Meetings held once a week from October to March, in the Watt Institution, containing a library and museum.

Membership.—Annual subscription of 10s. 6d. Number of members, 200.

INVERNESS SCIENTIFIC SOCIETY AND FIELD CLUB. (Founded 1875.)

Officers.—*President:* E. H. Macmillan.

Treasurer: James Bine. *Secretary:* Robert Wight.

Objects.—To study the geology, archæology, botany, and natural history of the neighbourhood.

Offices.—The Society meets in the Inverness Free Library Buildings.

Meetings.—Five or six winter meetings for the reading of papers, and three or four excursions for field work.

Membership.—Subscription, 5s. Number of members, 150.

Committees.—There are four departments, viz., Geology, Archæology, Botany, and Natural History.

LARGO FIELD NATURALISTS' SOCIETY.

(Founded 1863.)

Officers.—*President:* John Gilmour.

Treasurer: W. Wood. *Secretary:* Benjamin Philp.

Offices.—Garden and museum in connection with the Society.

Membership.—Entrance fee, 2s. 6d.; subscription, 2s. 6d. Number of members, 53.

Communications.—Reports of papers read inserted in the local papers.

MONTROSE NATURAL HISTORY & ANTIQUARIAN SOCIETY. (Founded 1836.)

Officers.—*President:* The Earl of Southesk, K.T. *Secretary:* Robert Barclay.

Objects.—To promote the study of natural history, and establish a museum.

Offices.—Address the Secretary, at Museum, Montrose, N.B.

Meetings.—Annually (in January or February) for business, and for the reading of papers; in the summer, occasional excursions for field work.

Membership.—Subscription, 5s.; ladies, 2s. 6d.; working-men, 1s.; life members, £3, 3s. Number on roll about 200.

Communications.—Annual Report includes a descriptive catalogue of accessions to the museum, and an abstract of select papers read to the Society.

MONTROSE SCIENTIFIC SOCIETY.

No information.

PAISLEY PHILOSOPHICAL INSTITUTION.

(Founded 1808.)

Officers.—*President:* Sheriff Cowan. *Honorary Secretary:* James Gardner.

Objects.—To promote the theoretical and practical knowledge of the natural sciences, philosophy, and the arts.

Offices.—At the Institution, which includes a free public museum, reference library, and the free public and loan library, and reading-room.

Meetings.—During the session (October to April) on the first Tuesday in the month, at 8 P.M., for current business, and the reading and discussion of papers.

Membership.—Members and associates are proposed by two members, and elected by ballot. Entrance fee for members, 5s.; annual subscription, 7s. 6d. Associates pay 5s. annually, but no entrance fee. Number of members, 306.

The Institute acquired in 1882, by gift of one of its members (Mr Thomas Coats of Ferguslie), the Coats Observatory on Oakshawhill, with an endowment fund of £4000. The building is fully equipped for astronomical and meteorological observations, and contains a small library. The requisite officers have been appointed, and rules drawn up regulating the admission of members, the general public, and its use for educational purposes.

Communications.—Papers to be read at the monthly meetings are submitted by the Secretary for the approval of the Council.

SHETLAND LITERARY AND SCIENTIFIC SOCIETY.

(FOUNDED 1861.)

Officers.—*President:* Chas. Rampini.
Joint-Secretaries: A. C. Hay and J. M. Goudie.

Objects.—To promote general, literary, and scientific knowledge, and the study of the antiquities and natural history of the Shetland Isles; to encourage the spirit of intelligence amongst the community; and to foster the cultivation of the fine and industrial arts in Shetland generally.

Offices.—The headquarters of the Society are at Lerwick, where is the loan library of 800 to 900 books. The collection of local antiquities, &c., formerly in the museum, has been disposed of to the Society of Antiquaries of Scotland, and added to their museum.

Meetings.—The annual general meeting is on the fourth Tuesday in September. Ordinary monthly meetings are held on the first Tuesday in the month.

Communications read at meetings are by members or accepted at their instance, and the Council decides in each case whether they shall be published.

STIRLING NATURAL HISTORY AND ARCHÆOLOGICAL SOCIETY. (FOUNDED 1878.)

Officers.—*Presidents:* Colonel Murray, Colonel Stirling, and A. Croall.
Treasurer: Daniel Ferguson. *Secretaries:* Rev. J. E. H. Thomson, M.A.; and David Chrystal, 3 Clarendon Place, Stirling.

Objects.—To obtain satisfactory sources of information regarding the natural history and archæology of Stirlingshire, and to form a complete museum and reference library.

Offices.—Smith Institute, Albert Place, Stirling.

Meetings.—Monthly (save January, July, and August), at 8 P.M.

Membership.—Ordinary members pay 5s. per annum, and lady associates 1s. per annum. Candidates are elected after recommendation of Council. Number of members, 90.

Committees.—For the formation of a public local museum of natural history and archæology.

Communications received from any part of the shire, and published in *Transactions.*

TWEEDSIDE AND KELSO PHYSICAL AND ANTIQUARIAN SOCIETY. (Founded 1834.)

Officers.—*President:* F. L. Roy.
Treasurer: J. B. Kerr. *Secretary:* Dr F. Douglas.

Objects.—To promote the study of natural history and antiquities of the district, to form a museum and herbarium of British plants, and collection of coins, &c.

Offices.—The library contains about 200 volumes, lent out freely to members. Apply to D. Douglas, Woodside, Kelso, N.B.

Meetings.—Quarterly.

Membership.—Any gentleman eligible on nomination. Number of members about 70.

IRELAND.

ROYAL SOCIETY OF DUBLIN.

(Founded 1731, Incorporated by Charter 1750.)

Officers.—*President:* His Grace the Duke of Leinster. *Registrar:* R. Jackson Moss. *Secretaries:* Charles Kelly, Q.C., and G. Francis Fitzgerald, F.R.S.

Object.—To read and discuss papers, and to give lectures on scientific subjects.

Offices.—The Society has a library of about 13,000 volumes, chiefly the publications of learned societies. Members are allowed to borrow three volumes at a time for a fortnight.

Meetings for the discussion of subjects connected with science, pure and applied, are held on the third Monday in each month from November to June inclusive.

Membership.—Candidates must be proposed and seconded, and balloted for. Entrance fee, £3, 3s.; annual subscription, £2, 2s. Tenant farmers whose farm or farms are valued at not more than £150 per annum, and whose incomes from other sources do not exceed £100 per annum, are admitted as agricultural associates at the subscription of £1, 1s. Number of members, 1400.

Communications.—Papers must be submitted to the committee of science for approval, and the copyright becomes the property of the Society. They are published in the *Transactions.*

ROYAL IRISH ACADEMY.

(Founded by Royal Charter 1786.)

Officers.—*President:* Sir Samuel Ferguson, Q.C., LL.D. *Treasurer:* Rev. H. M. Close. *Secretary of Council:* Prof. R. Atkinson, LL.D. *General Secretary for Foreign Correspondence:* Prof. J. P. O'Reilly, C.E. *Secretary:* Prof. E. Perceval Wright, M.A., M.D.

Objects.—To promote the study of science, polite literature, and antiquities.

Offices.—At 19 Dawson Street, Dublin. The library, of about 40,000 volumes

and 1400 MSS., includes a large number of works relating to Ireland, its history and resources, and *Transactions* of institutions British and foreign. Members of the Academy may borrow books. Readers who are not members are admitted on week days throughout the year.

Meetings.—Stated meetings are held on St Andrew's Day and on the eve of St Patrick's Day, or on the day preceding those anniversaries. General meetings are held on the second Monday of November and December, and on the second and fourth Mondays of January to June. At these meetings memoirs are read and discussed.

Membership.—Annual subscription, £2, 2s. The mode of election is by ballot.

Communications.—Permission of the Council or of the President must be obtained for all communications made to the Academy. Memoirs read before the Academy are published either in the *Transactions* or in the *Proceedings*. Catalogues of the antiquities in the museum of the Academy, and a series of Irish MSS. facsimiles have been published.

ROYAL HIBERNIAN ACADEMY.

LOWER ABBEY STREET.

No information.

DUBLIN UNIVERSITY PHILOSOPHICAL SOCIETY.

(Founded 1853.)

Officers.—*President:* Jonathan E. Pim, B.A.

Librarian: H. R. Joynt. *Secretary:* W. M. Hackett, B.A.

Objects.—To afford its members opportunities of discussing philosophical, literary and scientific subjects, and to encourage the practice of written composition.

Offices.—At Trinity College, including a reading-room and library.

Meetings on Thursdays at 8 P.M. during the session, from the third Thursday in November to the second Thursday in June, excepting only three weeks at Christmas and three weeks at Easter, in the New Examination Hall over the front entrance.

Membership.—Ordinary members are proposed and seconded, and elected by ballot. Subscription, 15s. annually. Every member at the close of the session during which he becomes M.A. is *ipso facto* an associate. Graduates (persons residing beyond a radius of 21 miles) are admitted on payment of 7s. 6d. annually. Members must attend meetings in academical costume. Total number on the roll, 417.

Committees award prizes, which are conferred by the Council, in composition, oratory, and æsthetics.

Communications are from members only. Selected essays are printed for the Society at the University press.

DUBLIN SCIENTIFIC SOCIAL CLUB.

(Founded November 1879.)

Officers.—*President:* Alfred C. Haddon, M.A., F.Z.S.

Treasurer: William N. Allen. *Secretary:* Harry Carter Draper, F.C.S.

Objects.—The interchange of knowledge derived from personal observations, or from scientific publications.

Offices.—Address the Hon. Secretary, 2 Orwell Park, Rathgar, Dublin.

Meetings held in the Royal College of Science for Ireland, Stephen Green, Dublin, on the second Tuesday evening of each month during the session (extending from October to May inclusive), at 8 o'clock. Members may bring a friend.

Membership.—By election by ballot. Subscription of 7s. 6d.. Number limited to 30 members.

Communications.—The *Transactions* of the Club are at present not published.

ARMAGH NATURAL HISTORY AND PHILOSOPHICAL SOCIETY. (Founded 1850.)

Officers.—*President:* Vacant. *Treasurer:* F. S. Martin.
Secretary: D. A. Simmons.

Meetings at the Society's office in The Mall, Armagh, on first Monday in the month, at 8 P.M.

BELFAST NATURAL HISTORY AND PHILOSOPHICAL SOCIETY. (Founded 1821.)

Officers.—*President:* Prof. Robert O. Cunningham.
Treasurer: John Brown. *Secretary:* William H. Patterson, M.R.I.A.

Objects.—To encourage the study of natural science, archæology, &c.

Offices.—Museum, College Square, North. Open daily, 10 till 4.

Meetings.—The first Tuesday in each of the winter months, when papers are read.

Membership.—There are shareholders, ordinary members, and visiting members. Subscription for the two latter classes, 21s. Number of members and subscribers about 220.

CORK CUVIERIAN AND ARCHÆOLOGICAL SOCIETY. (Founded 1807.)

Officer.—*President:* Dr Caulfield.

Object.—Antiquarian and natural history researches.

Offices.—Royal Institution Library, Cork.

Meetings.—First Wednesday in the month.

Membership.—Subscription, 10s. Number of members about 30.

CORK LITERARY SOCIETY.

(Founded 1809.)

Officer.—*President:* Sir George Cathcart, Bart., Blaney Castle.

Objects.—To read and discuss papers on various subjects.

Offices.—Address the Literary Society, Cork.

Membership.—Subscription, 5s. Number of members about 400.

CORK LITERARY AND SCIENTIFIC SOCIETY.

(FOUNDED 1834.)

Officers.—*President:* Sir George St John Colthurst, Bart., D.L.
Honorary Secretary: James Colbeck.

Objects.—The promotion of literary, scientific, and artistic culture.

Offices.—Address the Secretary, at the Royal Cork Institution.

Meetings.—Every Thursday evening during the session, October to April, at the Royal Cork Institution; or for special lectures, at the Imperial Hotel.

Membership.—Candidates are proposed and seconded by members of the Council, and elected by ballot. Subscription, 5s. Number of members, 510.

Communications are received from members, and read when approved by the Council. Lectures are on various topics.

CORK ROYAL INSTITUTION.

(FOUNDED 1807.)

Officers.—*President:* The Earl of Bandon. *Secretary:* Dr Caulfield.

Object.—To diffuse useful knowledge.

Offices.—Royal Institution, Cork. Library of 12,000 volumes. Open to public.

Meetings held once a month.

WATERFORD LITERARY AND SCIENTIFIC ASSOCIATION. (FOUNDED 1876.)

Officers.—*President:* Ringrose Atkins, M.D. *Honorary Secretary:* J. Dowling.

Objects.—(*a*) To develop local talent by holding periodical meetings to hear and discuss original papers or lectures by members of the Association; (*b*) to encourage a taste for literary and scientific subjects by means of frequent public lectures delivered by members or under the auspices of the Association.

Offices.—The Association occupies a suite of rooms in which is arranged the ornithological collection of native birds purchased from the Dublin Natural History Society, and other objects.

Meetings.—Fortnightly during the session, October to April, for the reading and discussion of papers, with occasional meetings in the City Hall for public lectures.

Membership.—Annual subscription, 10s. 6d. Number of members exceeds 100.

SECTION II.

MATHEMATICAL AND PHYSICAL.

LONDON.

ROYAL ASTRONOMICAL SOCIETY.

(FOUNDED 1820, INCORPORATED BY ROYAL CHARTER 1831.)

Officers.—*President:* Edwin Dunkin, F.R.S. *Treasurer:* A. A. Common. *Foreign Secretary:* W. Huggins, F.R.S. *Secretaries:* E. B. Knobel, Lieut.-Col. S. Tupman.

Objects.—The encouragement and promotion of astronomy.

Offices.—Burlington House, W. There is a library containing 8000 vols., almost all on astronomy. It is open to fellows as a reading-room, and books are also lent out.

Meetings on the second Friday of every month from November to June, at 8 P.M., when papers are read and discussed. The annual general meeting is held at 3 P.M.

Membership.—A candidate must be proposed by three fellows, one of them from personal knowledge. The name is proposed at one meeting and balloted for the second after. Entrance fee, £2, 2s.; subscription, £2, 2s.

Communications must be approved by the Council, and when not written by a fellow must be communicated by one. The Society publishes *Monthly Notices* or *Proceedings*, and also *Memoirs*, containing more extended papers.

MATHEMATICAL SOCIETY, LONDON.

Officers.—*President:* Dr O. M. Henrici, F.R.S. *Treasurer:* A. B. Kempe, F.R.S. *Secretaries:* Morgan Jenkins, M.A., and Robert Tucker, M.A.

Objects.—For the promotion and extension of mathematical knowledge.

Offices.—The Society meets at the rooms of the Royal Asiatic Society, 22 Albemarle Street, W. There is a library, mainly of scientific books, but without a catalogue. Books may be borrowed by members.

Meetings on the second Thursday of every month, at 8 P.M., from November to June, except April, when the meeting is on April 3d. Visitors may attend the meetings if introduced by members.

Members.—Ordinary members are proposed by three members, one at least from personal knowledge, and balloted for at a meeting. Honorary members, including foreign members, are nominated by the Council and elected at a meeting. Subscription, £1, 1s.; entrance fee, £1, 1s.; life composition, £10, 10s. Number of members about 170.

Communications.—Notice must be sent to the Secretary stating the title and nature of paper to be read, and whether the author wishes to read it himself. If to be read by the Secretary, it must be sent in a week beforehand. The Council

decide on the reading of papers. The question of publication *in extenso* is referred to a committee of members, and on their report is decided by ballot at the Council. The *Proceedings* published by the Society contain a register of the mathematical discussions which have taken place, and of the papers which have been read.

ROYAL METEOROLOGICAL SOCIETY.

(*Founded* 1850, *Incorporated by Royal Charter in* 1866. *Accorded permission to adopt the prefix "Royal" in* 1883.)

Officers.—*President:* Robert Henry Scott, F.R.S. *Treasurer:* Henry Perigal, F.R.A.S. *Trustees:* Hon. Francis Albert Rollo Russell, M.A.; Stephen William Silver, F.R.G.S. *Secretaries:* George James Symons, F.R.S.; John W. Tripe. *Foreign Secretary:* George Matthews, Whipple, B.Sc.

Object.—The advancement of meteorological science.

Offices.—At 30A Great George Street, S.W., where there is a library with a large collection of works relating to meteorology. It is open from 10 A.M. to 5 P.M., and to 2 P.M. on Saturdays. Books may be borrowed by fellows.

Meetings.—Monthly, from November to June, for reading and discussion of papers bearing on meteorology, at 7 P.M., at the Institution of Civil Engineers.

Membership.—Candidates as fellows must be proposed by three fellows from personal knowledge at one ordinary meeting, and balloted for at the next. Entrance fee, £1; subscription, £2; life composition, £21. Honorary members are elected in the same manner. Number of fellows about 570.

An exhibition of Meteorological Instruments is held annually in March. A series of 25 Meteorological Stations of the second order was organized in 1874, and a series of 60 Climatological in 1880. The monthly results from these stations, after being checked, are printed in the *Meteorological Record.* Observations of phenological phenomena are also made at 47 stations, and the results published annually in the quarterly *Journal.*

Communications must be approved by referees appointed by the Council. They are then read, and printed with the discussion in the *Quarterly Journal.*

PHYSICAL SOCIETY OF LONDON.

(FOUNDED IN 1874, AND REGISTERED UNDER THE COMPANIES' ACT.)

Officers.—*President:* Prof. Guthrie, F.R.S. *Treasurer:* Dr E. Atkinson. *Secretaries:* Prof. A. W. Reinold, F.R.S., Royal Naval College, Greenwich; Walter Baily, M.A., 176 Haverstock Hill, London, N.W.

Objects.—To promote the advancement and diffusion of a knowledge of physics, and for this purpose especially (1) to invite from the members and others, communications, written or oral, relating to physics, and to receive, hear, and discuss such communications at meetings of the Society; (2) to invite the exhibition of and to exhibit, at meetings of the Society, any new, improved, or other apparatus for physical research, and any new or other experiments illustrative of physical laws or phenomena; (3) to print and publish any communications made to the Society, or any other papers, treatises, or communications relating to physics, and any reports of the proceedings and accounts of the Society, and for this purpose to cause translations to be made of any such papers, treatises, or communications as shall be in a foreign language, and to illustrate any of the publications.

Offices.—Physical Laboratory, South Kensington Museum, S.W., where there is a library. Communications to be addressed to the secretaries at their private addresses.

Meetings.—These are of two kinds—(*a*) General meetings, including annual and special general meetings; (*b*) science meetings. The latter, unless the Council appoint otherwise, shall be held at least once in every calendar month from November to June inclusive. At present they are held in the Physical Laboratory, Science Schools, South Kensington, at 3 P.M., on alternate Saturdays during the said months, excepting on the last two in December, the first two in January, and the first two after Good Friday. Visitors may attend these meetings on the introduction of members.

Membership.—A candidate must be recommended by three members, to two of whom he must be personally known. His name must then be approved by the Council, and also at the next following science meeting, and election takes place at the subsequent one. Members pay an entrance fee of £1 and an annual subscription of £1. They may compound for the annual subscription by a payment of £10. Honorary and *ex officio* members are nominated by the Council, and elected at the annual general meetings. Number of members about 300.

Communications.—Persons desirous of contributing a paper to the Society must state the nature thereof to the Secretary for the approval of the Council. All papers, &c., laid before the Society become its property, and the Council publish, either *in extenso* or in abstract, such of them as they deem fit.

ASSOCIATION FOR THE IMPROVEMENT OF GEOMETRICAL TEACHING. (FOUNDED JANUARY 1871.)

Officers.—*President:* R. B. Hayward, F.R.S. *Treasurer:* Rev. H. C. Watson, M.A., Clifton College, Bristol. *Hon. Secretaries:* J. B. Lock and E. B. Sargant, M.A.

Objects.—To effect improvement in the teaching of the various branches of elementary mathematics and mathematical physics, by the reading and discussion of papers, the appointment of committees to report on existing defects in the methods of teaching special subjects, and the drawing up of syllabuses or text-books on such subjects, &c.

Offices.—The Association meets at places determined by the Council. Letters to be addressed to E. B. Sargant, 56 Belsize Park Gardens, London, N.W.

Meetings.—A general meeting annually in January, and a special general meeting when called by the Council.

Membership.—Candidates are proposed in writing by two members, and elected at the general meeting. Subscription, 10s. Honorary members may be nominated by the Council, and elected at a general meeting.

COUNTRY.

LIVERPOOL ASTRONOMICAL SOCIETY.

(FOUNDED 1881.)

Officers.—*President:* R. C. Johnson, F.R.A.S.
Treasurer: E. Harriman. *Secretary:* W. H. Davies, F.R.A.S

Objects.—To encourage astronomical observation (especially amongst the possessors of small telescopes).

Offices.—Association Hall. Observatory at West Kirby, Birkenhead. Library of about 100 works.

Meetings.—Third Monday in each month from September to May inclusive.

Membership.—Candidates must be proposed and seconded at one meeting and balloted for at next. Subscription, 5s. Number of members, 126.

Communications.—Papers sent in by members and others are read, and abstracts published monthly in the session.

SCOTLAND.

ROYAL PHYSICAL SOCIETY OF EDINBURGH.

(FOUNDED 1771.)

Officers.—*Joint Presidents:* B. N. Peach, F.G.S., F.R.S.E.; J. A. Harvie Brown, F.R.S.E.; R. H. Traquair, M.D., F.R.S. *Secretary:* Robert Gray, F.R.S.E.

Objects.—The advancement of physical and natural science.

Offices.—At 40 Castle Street, Edinburgh, where is the valuable reference library, which includes the *Proceedings* of most of the home and foreign scientific societies.

Meetings.—During the session, November to April, on the third Wednesday in the month, at 7.30 P.M.; after 8 P.M. papers are read and discussed. Visitors introduced by a member may attend.

Membership.—Members are of three classes—ordinary fellows are proposed by three fellows, one of them from personal knowledge, and, when elected, pay 10s. 6d. entrance fee, and 12s. 6d. annually; corresponding fellows, not resident in Edinburgh or its neighbourhood, are also proposed by three fellows, and balloted for; honorary fellows are limited to 15. There are on the roll in all 360.

Communications.—For many years the Society did not publish its *Proceedings*, but an annual volume is now issued.

SCOTTISH METEOROLOGICAL SOCIETY,

122 GEORGE STREET.

No information.

III. CHEMISTRY AND PHOTOGRAPHY.

LONDON.

THE CHEMICAL SOCIETY,

BURLINGTON HOUSE, PICCADILLY.

Officers.—*President:* W. H. Perkin, F.R.S.
Treasurer: W. J. Russell, F.R.S. *Foreign Secretary:* Hugo Müller, F.R.S.
Secretaries: H. E. Armstrong, F.R.S., and J. M. Thomson.

History.—Consequent on the development of individual chemical research in this country, there appeared to be scope for a special society for the advancement of chemical science. A scheme for its formation was initiated and prepared by Mr Robert Warrington; and at a meeting convened in the rooms of the Society of Arts, February 23, 1841, its establishment was resolved on, 77 members being enrolled. The number of members was much increased when, in 1848, a Royal Charter of incorporation was obtained. The number of foreign members is limited to 40; but the list includes the names of the most distinguished contemporary chemists. Abstracts and translations from foreign sources are included in the *Journal*, forming thus a complete record of chemical science.

Objects.—The promotion of chemistry and of those branches of science immediately connected with it, by the reading, discussion, and subsequent publication of original communications; also the formation of a chemical library and museum.

Offices.—The offices and library are open daily to members from 10 to 5. The library is also open on Monday and Thursday evenings from 7 to 9 P.M. Books can be borrowed by members.

Meetings.—At 8 P.M. on the first and third Thursdays of the months November to June, excepting January, when it meets only on the third Thursday. The anniversary is on or about March 30, at 8 P.M. Visitors introduced by a fellow or associate may attend meetings, and their names, with the names of their sponsors, will be "announced from the chair" as the first business of the meeting.

Membership.—The Society consists (1) of honorary and foreign members; (2) of fellows, who pay an entrance fee of £4, and an annual subscription of £2, or a life composition of £20; (3) of associates, who are elected for a renewable term of three years only, who pay £1, or, to enable them to receive a copy of the Society's *Journal*, 30s. annually. Candidates for the fellowship must be proposed by five fellows, and be personally known to three; associates must be recommended to the Society by the Council; their names are read at three ordinary scientific meetings, and their election ensues by ballot. The president, officers, and council are elected by ballot at the annual general meeting in March. Number of members about 1300.

INSTITUTE OF CHEMISTRY.

(FOUNDED 2ND SEPTEMBER 1877, INCORPORATED 2ND OCTOBER 1877.)

Officers.—*President:* W. Odling, F.R.S.

Treasurer: C. R. Alder Wright, F.R.S. *Secretary:* C. E. Groves, F.R.S.

Objects.—(*a*) To promote and encourage a thorough study of chemistry and all branches of science allied thereto in their application to the arts, to agriculture, to public health, and to technical industry; (*b*) to adopt such measures as may be necessary for the advancement of the profession of chemistry, and particularly for the maintenance of the profession of the consulting and analytical chemist, on a sound and satisfactory basis.

Offices.—Somerset House Terrace, W.C. Office hours, 11 to 4.

Meetings.—The annual general meeting of the Institute is held on the 1st (or 2nd) of February. There are occasional lectures and conferences.

Membership.—Every candidate for the associateship must (1) be not less than 21 years of age; (2) have passed through a course of three years' study in one or more of the universities or colleges approved by the Council, in the subject of theoretical and analytical chemistry, physics, and elementary mathematics; (3) have passed the examinations required in these subjects at such universities and colleges, otherwise a candidate for the associateship may be required to pass such an examination in theoretical and general chemistry, physics, and mathematics as the Council may direct; (4) every candidate will also be required to pass a practical examination conducted by an examiner appointed by the Institute. A candidate for fellowship (1) must be not less than 24 years of age, (2) must have been admitted to the Institute as an associate; (3) since his admission as an associate, and for a period of three years therefrom, must have been continuously engaged in the study and practical work of applied chemistry in a manner that shall be satisfactory to the Council. Number of members, 440.

SOCIETY OF CHEMICAL INDUSTRY.

(FOUNDED 1881.)

Officers.—*President:* Walter Weldon, F.R.S.

Treasurer: E. Rider Cook. *Hon. Foreign Secretary:* Ludwig Mond.

General Secretary: Charles G. Cresswell.

Objects.—(*a*) To advance applied chemistry in all its branches; (*b*) to promote the acquisition and practice of that species of knowledge which constitutes the profession of a chemical engineer; (*c*) to enable all persons interested in applied chemistry to meet and to correspond, to facilitate the interchange of ideas respecting improvements in the various branches of chemical manufacture, and to publish and communicate information on such subjects.

Offices.—The headquarters of the Society are at Palace Chambers, 9, Bridge Street, Westminster. The business of the London and provincial sections is conducted by the following Hon. Secretaries:—*London Section*—Thomas Tyrer, Garden Wharf, Battersea, London, S.W.; *Manchester Section*—J. Carter Bell, Bankfield, The Cliff, Higher Broughton, Manchester; *Liverpool Section*—E. G. Ballard, Queen's Park, St Helens, Lancashire; *Newcastle Section*—J. T. Dunn, M.Sc., 29 Oxford Street, Newcastle-on-Tyne; *Birmingham Section*—A. Bostock Hill, M.D., 14 Temple Street, Birmingham; *Glasgow Section*—J. J. Dobbie, D.Sc., The University, Glasgow.

Meetings.—The annual general meeting is held in July. Local sections meet periodically for the reading and discussion of papers relating to industrial chemistry. The London ordinary meetings are held on the first Monday in the months November to June, at the rooms of the Chemical Society, Burlington House, at 8 P.M. At any general or local meeting of the Society a member may introduce one visitor, who may, by leave of the Chairman, take part in any discussion.

Membership.—Every candidate must be proposed by one or more members to whom he is personally known, and is then elected by the Council. Subscription, 1 guinea; or a life composition fee of £15. All the industries based upon applied chemistry have representatives on the roll of members, which numbers about 1700.

Committees.—For the furtherance of the objects of the Society; for reports upon improvements, inventions, or new processes in chemical engineering or manufactures, the Council appoints special committees. Upon the requisition of at least thirty members in any particular district, "local sections" are formed—such local sections being, in fact, affiliated societies, conducting their meetings in accordance with the objects and rules of the general Society. Local sections are in operation in London, Manchester, Liverpool, Newcastle-on-Tyne, Birmingham, Glasgow, and in course of formation in other important centres.

Communications.—Papers to be read and discussed may be addressed to the Secretary of any local section. All papers proposed to be read before a general meeting must be sent in to the General Secretary, and are read or rejected at the discretion of the Council. The Society retains for three months the right of priority of publication of all communications made to it. The *Journal* of the Society is published monthly, and contains reports of the papers read at the various meetings and at the several local sections, together with matter of interest in its bearing on applied chemistry.

FARADAY CLUB.

(FOUNDED AT ST HELENS, 1875.)

The Club issued several valuable papers, and now remains a local and private Society.

THE PHARMACEUTICAL SOCIETY OF GREAT BRITAIN. (FOUNDED 1841.)

Officers.—*President:* M. Carteighe.

Treasurer: Jno. Robbins. *Secretary:* Elias Bremridge.

Objects.—The Society was established "for the purpose of advancing chemistry and pharmacy, and promoting an uniform system of education of those who should practise the same; and also for the protection of chemists and druggists, and to provide a fund for the relief of the distressed members and associates of the Society, and of their widows and orphans."

Offices.—17 Bloomsbury Square, open 9.30 to 5. Library of 9000 vols., open 9 A.M. to 10 P.M. Museum, open 9 A.M. to 10 P.M.

Meetings.—Evening meetings for reading of papers, first Wednesday in November, December, February, March, April, at 8.30. Inaugural sessional address and distribution of prizes first Wednesday in October, 8.30.

Membership.—About 6000 subscribers of different grades: eligibility to join depends upon the examination previously passed.

Committees.—Council of 21, and various committees of Council.

PHOTOGRAPHIC CLUB.

Officer.—*Hon. Secretary* and *Treasurer:* E. Dunmore Sunnycote, Southill Park.
Meetings every Wednesday evening at Anderton's Hotel, Fleet Street.

POSTAL PHOTOGRAPHICAL SOCIETY.

Officers.—*Treasurer:* W. M. Baylis.
Hon. Secretary: H. H. Cunningham, 7 Figtree Court, Temple.
Objects.—The convenience of amateurs in circulating prints, negatives, &c.
Membership.—Candidates must submit specimens of their work, and members must contribute at least six prints per annum.

GRAPHICAL SOCIETY.

Rev. F. F. Statham.
dge, 9 Norfolk Road, Dalston Lane, E.
s Rooms, John Street, Adelphi, first
June.

TRY.

STS' ASSOCIATION.

1847.)

Secretary: A. H. Samuel, F.C.S.
Treasurer: R. F. Sumner.
verpool, where there is a library and

September to May.
nber of members, 143.
at the meetings, and generally printed

UTICAL AND CHEMICAL
ETY,
T PLACE.

SECOND EDITION. *New Ready.*
Cloth and gold, 10/6; library binding, 12/-; morocco, 20/-.
SUGGESTIVE THOUGHTS ON RELIGIOUS SUBJECTS,
A Dictionary of Quotations and Selected Passages from nearly 1,000 of the best Writers, Ancient and Modern.
Selected by HENRY SOUTHGATE, Author of "*Many Thoughts of Many Minds.*"
"All that is Good is deathless, as of GOD."—*Philip James Bailey.*
"The topics treated of are as wide as our Christianity itself; the quoted from, of every Section of the one Catholic Church of JESUS C
—*Author's Preface.*
"This most admirable compilation."—*Edinburgh Daily Review.*
"A casket of gems."—*English Churchman.*
London: CHARLES GRIFFIN & Co., Exeter Street, Strand.

HEI

BOLTON PHOTOGRAPHIC SOCIETY.

Officers.—*President:* John Hick.
Treasurer: J. C. Sewell. *Secretary:* J. W. Hawksworth, Mawdsley Street.
Meetings at "The Baths" on the first Thursday in the month, at 8 P.M.

Communications.—Communications for
must be sent to the editor, 17 Bloomsbury
his own discretion.

PHOTOGRAPHIC SOCIET

(INSTITUTE

Officers.—*President:* Ja
Treasurer: Walter S. Bird.

Objects.—Advancement of photographic

Offices.—Gallery, 5A Pall Mall East.

Meetings.—Ordinary meetings second T
to June inclusive, at 8 P.M.; technical m
throughout the year, at 8 P.M.

Membership.—Entrance fee, £1, 1s;
members, 363.

Communications.—The Society publis
Transactions, each month. Annual exhi
October 6th to November 15th.

AMATEUR PHOTOGRA

Officers.—*President:* H.R.H.
Referees: James Glaisher, F.R.S
Hon. Secretary: Arthur Ja

Objects.—The printing and interchang
graphers, in order that the many interesting negatives still buried in the plate-boxes of amateurs may be placed within the reach of the general public.

Offices.—The correspondence and the business of the Association are conducted by the Hon. Secretary, at York House, 12 York Place, Portman Square.

Membership.—"Members" consist of none but amateur photographers. Other persons, not photographers, who wish to avail themselves of the advantages of the Association are subscribers. Each member and subscriber pays one guinea annually. Each member is entitled to select annually from the Association, prints or photographs, valued at two guineas; and each subscriber to the value of one guinea, without payment; and to purchase additional copies. Each member is expected to forward as many good negatives as he conveniently can; and any member sending less than six during the year may, at the option of the referees, be ranked as a subscriber.

Communications.—All negatives entrusted to the Association are, when accepted, printed by the Secretary, who retains them during the year for which they are sent, or in special cases for one month only. Prizes amounting to £50 annually are awarded by the Council.

LONDON AND PROVINCIAL PHOTOGRAPHIC ASSOCIATION.

Officer.—*Hon. Secretary:* C. B. Cutchey, 62 Gracechurch Street, E.C.

Meetings every Thursday, at 8 P.M.

SECOND EDITION. *Now Ready.*
Cloth and gold, 10/6; library binding, 12/-; morocco, 20/-.
SUGGESTIVE THOUGHTS ON RELIGIOUS SUBJECTS,
A Dictionary of Quotations and Selected Passages from nearly 1,000 of the best Writers, Ancient and Modern.
Selected by HENRY SOUTHGATE, Author of "*Many Thoughts of Many Minds.*"
"All that is Good is deathless, as of GOD."—*Philip James Bailey.*
"The topics treated of are as wide as our Christianity itself; th
quoted from of every Section of the one Catholic Church of JESUS C
—*Author's Preface.*
"This most admirable compilation."—*Edinburgh Daily Review.*
"A casket of gems."—*English Churchman.*
London: CHARLES GRIFFIN & Co., Exeter Street, Strand.

PHOTOGRAPHIC CLUB.

Officer.—*Hon. Secretary* and *Treasurer:* E. Dunmore Sunnycote, Southill Park.
Meetings every Wednesday evening at Anderton's Hotel, Fleet Street.

POSTAL PHOTOGRAPHICAL SOCIETY.

Officers.—*Treasurer:* W. M. Baylis.
Hon. Secretary: H. H. Cunningham, 7 Figtree Court, Temple.
Objects.—The convenience of amateurs in circulating prints, negatives, &c.
Membership.—Candidates must submit specimens of their work, and members must contribute at least six prints per annum.

SOUTH LONDON PHOTOGRAPHICAL SOCIETY.

Officers.—*President:* Rev. F. F. Statham.
Hon. Secretary and *Treasurer:* F. A. Bridge, 9 Norfolk Road, Dalston Lane, E.
Meetings held in the Society of Arts Rooms, John Street, Adelphi, first Thursday in the month, from October to June.

COUNTRY.

LIVERPOOL CHEMISTS' ASSOCIATION.

(FOUNDED 1847.)

Officers.—*President:* E. Davies. *Hon. Secretary:* A. H. Samuel, F.C.S.
Librarian: F. Dolling. *Treasurer:* R. F. Sumner.
Offices.—At the Royal Institution, Liverpool, where there is a library and museum.
Meetings.—Alternate Thursdays from September to May.
Membership.—Subscription, 10s. Number of members, 143.
Communications are read and discussed at the meetings, and generally printed in the *Pharmaceutical Journal.*

SHEFFIELD PHARMACEUTICAL AND CHEMICAL SOCIETY,

74 MARKET PLACE.

No Information.

BOLTON PHOTOGRAPHIC SOCIETY.

Officers.—*President:* John Hick.
Treasurer: J. C. Sewell. *Secretary:* J. W. Hawksworth, Mawdsley Street.
Meetings at "The Baths" on the first Thursday in the month, at 8 P.M.

BRISTOL AMATEUR PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* T. Davey. *Treasurer:* E. Brightmore.
Hon. Secretary: H. Daniel, Avonmead, Leigh Road, Clifton.
Meetings at the Museum, Queen's Road, on the first Wednesday in the month, at 7.30 P.M.

BURTON AMATEUR PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* Rev. J. Bramell.
Treasurer: A. Siddals. *Hon. Secretary:* H. E. Hunt.

BURY PHOTOGRAPHIC AND ART CLUB.

Officers.—*President:* G. W. Mellor. *Treasurer:* J. Nelson.
Hon. Secretary: F. Livsey, Victoria Terrace, Walmersley Road, Bury.
Meetings held at the Temperance Hall on second Wednesday of the month, at 8 P.M.

CAMBRIDGE UNIVERSITY PHOTOGRAPHIC SOCIETY.

Officers.—*President:* A. Scott. *Secretary* and *Treasurer:* A. Harrison.

CHELTENHAM AMATEUR PHOTOGRAPHIC SOCIETY.

Officers.—*President:* Col. Dawson, C.B.
Treasurer: J. Bule. *Hon. Secretary:* C. E. F. Nash, Glenfall Lawn.
Meetings held monthly, from November to May.

GLOSSOP DALE PHOTOGRAPHIC SOCIETY.

Officers.—*President:* Captain Partington.
Treasurer: J. Dalgleish. *Secretary:* B. Garside.
Meetings at Glossop Coffee Palace, High Street, on first Tuesday in the month, at 8 P.M.

HALIFAX PHOTOGRAPHIC CLUB.

Officers.—*President:* T. Birtwhistle.
Treasurer: J. Jones. *Secretary:* G. W. C. Williams, 15 Craven Terrace.
Meetings at *Courier* Office, first Tuesday in every month.

LEEDS PHOTOGRAPHIC SOCIETY.

Officers.—*President:* W. Teasdale. *Secretary:* T. W. Thornton, 22 Carr Road.
Meetings in Mechanics' Institute, on first Thursday of the month, at 8 P.M.

LIVERPOOL AMATEUR PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* A. Kenyon. *Treasurer:* J. Ellerbeck.
Hon. Secretary: Rev. H. J. Palmer, Clare Mount, Wallasey.
Meetings in the Free Public Library and Museum, William Brown Street, on last Thursday in the month (excepting December), at 6 P.M.

MANCHESTER PHOTOGRAPHIC SOCIETY.

Officers.—*President:* J. Pollitt. *Treasurer:* G. W. Coote.
Hon. Secretary: W. J. Chadwick, Prince's Bridge Iron Works.
Meetings at Mechanics' Institute on second Thursday in each month, from September to May.

NEWCASTLE-ON-TYNE AND NORTHERN COUNTIES PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* Col. Sheppe. *Treasurer:* P. M. Laws. *Secretary:* J. Pike.
Meetings held in College of Physical Science, second Thursday in the month, from October to May, at 7 P.M.

NOTTS PHOTOGRAPHIC ASSOCIATION.

(FOUNDED 1884.)

Officers.—*President:* George Shepperley.
Treasurer: T. Sands. *Hon. Secretary:* W. Donahay.
Membership.—Both amateurs and professionals are eligible for election. Subscription, 5s.; entrance fee, 5s. Number of members over 30.

OLDHAM PHOTOGRAPHIC SOCIETY.

Officers.—*President:* J. Risley.
Treasurer: W. S. Clegg. *Hon. Secretary:* John Graves, Greengate Street.
Meetings at "Hare and Hounds" Inn, Yorkshire Street, on last Thursday in each month.

SHEFFIELD PHOTOGRAPHIC SOCIETY.

Officers.—*President:* T. Firth. *Treasurer:* W. B. Hatfield.
Hon. Secretary: J. Taylor, Holland Place, London Road.
Meetings held in Freemasons' Hall, Surrey Street, the first Tuesday in the month, at 7.30 P.M.

NORTH STAFFORDSHIRE PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* D. Craig, M.D.
Secretary: W. B. Allison, 32 West Street, Stoke-on-Trent.
Meetings at the Town Hall, Stanley, on first Wednesday in each month.

SCOTLAND.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN.

(*North British Branch. Founded* 1852.)

Officers.—*President:* John Nesbit.

Hon. Treasurer: John B. Stephenson. *Secretary:* Peter MacEwan.

Objects.—Those of the Pharmaceutical Society, London, of which this is a branch.

Offices.—119A George Street, Edinburgh. Office hours, 10 A.M. to 4 P.M., and 8 to 10 P.M.; on Saturdays, 10 A.M. to 2 P.M. Reference library of over 1000 vols.

Meetings.—Monthly, from November to April, for communications on pharmaceutical science.

EDINBURGH PHOTOGRAPHIC SOCIETY.

Officers.—*President:* William Neilson. *Treasurer:* Hugh H. Pillans.

Secretary: W. T. Bashford, Argyle House, Portobello, Midlothian.

Offices.—5 St Andrew Square, Edinburgh.

Meetings on first Wednesday in each month, excepting July, August, and September, at 8 o'clock, for the reading of papers, and discussions and demonstrations on photography or any allied branch of art or science. Out-door meetings for study and practice. "Popular" evenings for the general public, &c., are also held.

Membership.—Annual subscription, 5s. Number of members, 420.

Communications are published in the monthly *Transactions of the Edinburgh Photographic Society.*

ABERDEEN PHOTOGRAPHIC ASSOCIATION.

No Information.

DUNDEE AND EAST OF SCOTLAND PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* J. C. Cox. *Treasurer:* J. Robertson.

Hon. Secretary: D. Ireland, jun., Rockshill, Broughty Ferry.

Meetings at the Lamb Hotel, Dundee, the first Thursday in the month, from October to May.

GLASGOW PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* Councillor Robertson.

Treasurer: G. Bell. *Secretary:* J. Craig Annan, Glenbank, Lenzie, N.B.

Meetings held in Religious Institution Rooms on alternate Thursdays, from September to April.

GLASGOW AND WEST OF SCOTLAND AMATEUR PHOTOGRAPHIC ASSOCIATION.

Officers.—*President:* H. Reid.
Treasurer: R. Cuthing. *Secretary:* E. Smithells, 5 Ardgowan Terrace, Glasgow.
Meetings held in Religious Institution Rooms, on second Tuesday in the month, from October to April.

IRELAND.

PHOTOGRAPHIC SOCIETY OF IRELAND.

Officers.—*President:* Dr J. E. Reynolds, F.R.S. *Treasurer:* T. A. Bewley
Hon. Secretary: Alex. Conan, Roseneath, Sandymount Avenue, Dublin.
Meetings at the Royal College of Science, Dublin, on second Friday in the month, from October to May, at 8 P.M.

IV. GEOLOGY AND GEOGRAPHY.

LONDON.

ROYAL GEOGRAPHICAL SOCIETY.

(FOUNDED 1830.)

Officers.—*President:* Right Hon. Lord Aberdare, F.R.S. *Treasurer:* Reginald T. Cocks. *Secretaries:* Clements R. Markham, C.B.; Douglas W. Freshfield. *Assistant Secretary:* H. W. Bates, F.R.S., &c.

Objects.—To collect, register, digest, and print useful interesting facts and discoveries, and the improvement and diffusion of geographical knowledge.

Offices.—1 Savile Row, Burlington Gardens, W., 10.30 to 4.30. The library contains upwards of 20,000 books and pamphlets, for the most part either purely geographical or bearing upon the sciences with which geography is connected. The collection of maps and charts contains upwards of 35,000 sheets, 500 atlases, 63 relief maps and models, and nearly 300 large maps and diagrams suitable for illustration of lectures.

Meetings held at 8.30 P.M., from November to June, at London University, Burlington House.

Membership.—Entrance fee, £3; subscription, £2; life composition, £28. Number of fellows, 3370.

Committees.—Library and Map Committee, Expedition Committee, Scientific Purposes Committee.

Communications.—Papers received are submitted to the Council, and if approved of are either published *in extenso* or in abstract in the *Proceedings* of the Society, in most cases having been previously read at one of the evening meetings.

GEOLOGICAL SOCIETY OF LONDON.

(FOUNDED 1807, INCORPORATED 1826 BY ROYAL CHARTER.)

Officers.—*President:* Prof. T. G. Bonney, F.R.S. *Treasurer:* Prof. Wiltshire, M.A., F.L.S. *Secretaries:* W. T. Blanford, F.R.S.; Prof. J. W. Judd, F.R.S. *Foreign Secretary:* Warington W. Smyth, F.R.S.

Objects.—"Investigating the mineral structure of the earth" by collecting books, maps, and specimens, and by the publication of works bearing thereupon.

Offices.—Burlington House, Piccadilly. Open from 10 to 5 daily. Library contains about 17,000 vols.

Meetings.—At 8 P.M. on two Wednesdays (if possible the first and third) in each month from November to June inclusive. Anniversary meeting on the third Friday in February At ordinary meetings papers on geological subjects are read and discussed.

Membership.—Candidates must be proposed by three members, one from personal knowledge. Names are read out at three meetings; ballot takes place on the third. Subscription, £2, 2s.; entrance fee, £6, 6s.; life composition, £31 10s. Number of fellows, 1440.

Communications.—Papers are sent in or communicated by fellows and read (subject to the President's approval) at the evening meetings Council finally decides whether the paper shall be printed or not. The only publication is the quarterly *Journal.*

GEOLOGISTS' ASSOCIATION.

(FOUNDED 1869.)

Officers.—*President:* Henry Hicks, M.D., F.G.S.
Treasurer: J. Logan Lobley, F.G.S. *Secretary:* John Foulerton, M.D., F.G.S.

Objects.—To facilitate the study of geology and its allied sciences.

Offices.—Apply to Secretary, 44 Pembridge Villas, W. There is a library open at ordinary meetings, and members are able to borrow books.

Meetings at University College, on first Friday of each month from November to July, at 8 P.M. Papers read and discussed. Visits are paid (generally on Saturday afternoons) to museums, and demonstrations are given. Excursions are also made in the summer months to places of geological interest.

Membership.—Entrance fee, 10s.; subscription, 10s. Number of members about 500.

Communications must relate to geology, and be approved by the committee. They are published in the *Proceedings*, which appear quarterly.

COUNTRY.

CORNWALL ROYAL GEOLOGICAL SOCIETY.

(FOUNDED 1814.)

Officers.—*President:* Warington W. Smyth, F.R.S.
Treasurer: William Bolitho, jun. *Secretary:* G. B. Millett.

Objects.—"To encourage the study of geology, with especial reference to the mining interests of the county; and for affording opportunities of instruction in the sciences indispensable to the progress of geological knowledge."

Offices.—The Public Buildings, Penzance, where are the library (of about 2000 vols.) and the museum open free to the public 10 A.M. to 4 P.M. daily.

Meetings, at which papers are read and discussed, are held quarterly on the first Tuesday in February, May, August, and November.

Membership.—Honorary members are nominated by the Council; ordinary members and associates proposed by two members; election is by show of hands. Subscription, 21s. annually; or for life membership, £10, 10s. Number of members about 140.

Communications to the Society are its property, and are published in whole or in part in the *Transactions.*

DUDLEY AND MIDLAND GEOLOGICAL SOCIETY.

No information.

LEEDS GEOLOGICAL ASSOCIATION.

(FOUNDED 1874.)

Officers.—*President:* W. Cheetham. *Treasurer:* J. H. Bromley.
Secretary: W. H. Gill, Park Cottage, Stourton, Leeds.

Objects.—To promote the study of geology by means of papers, discussions, excursions, and exhibitions of specimens.

Offices.—Yorkshire College, Cookridge Street, Leeds. The library comprises a few of the principal geological works.

Meetings.—First Friday in every month, at 8 P.M., for papers and discussions.

Membership.—Candidates elected by majority of members at a general meeting. Subscription, 4s. per annum. Number of members, 35.

Communications.—No separate Transactions published, but the Society is affiliated with the "Yorkshire Naturalists' Union."

LIVERPOOL GEOLOGICAL ASSOCIATION.

(FOUNDED 1880.)

Officers.—*President:* H. Bramall, M. Inst. C.E. *Treasurer:* W. H. Walker.
Secretary: Osmund Jeffs, 8 Queen's Road, Rock Ferry.

Meetings in Free Library on first Monday in the month.

Membership.—Subscription, 5s. Number of members, 608.

LIVERPOOL GEOLOGICAL SOCIETY.

(FOUNDED 1859.)

Officers.—*President:* T. Mellard Reade, C.E., F.G.S.
Hon. Secretary: G. H. Morton, F.G.S.

Objects.—To investigate the structure of the earth, the character of its past inhabitants, and the changes now in progress upon its surface.

Offices.—Address the Hon. Secretary, 122 London Road, Liverpool. The library has 500 vols., accessible to members only.

Meetings are held during the session (October to March) on Tuesday evenings, at 7 o'clock, and occasional field meetings in localities of interest.

Membership.—Candidates are proposed and seconded, and pay on election 10s. 6d. annually if non-resident; 21s. if resident in Liverpool or its immediate vicinity; associates (including ladies), 10s. 6d. Number of members, 69.

Communications.—Address the Secretary, who is editor of the *Proceedings.*

MANCHESTER GEOLOGICAL SOCIETY.

(FOUNDED 1838.)

Officers.—*President:* Edward Pilkington.
Treasurer: H. M. Ormerod. *Hon. Secretaries:* J. S. Martin and J. E. Forbes.

Objects.—The collection and diffusion of practical and theoretical knowledge respecting geology and mining.

Offices.—36 George Street, Manchester, with a library of about 1500 vols., on mining and geology. Members may borrow books.

Meetings are held once a month from October to June, at times appointed by the Council. Some of the meetings are held at Wigan. Visitors, introduced by a member, may attend.

Membership.—A candidate must be proposed by two or more members, and elected at a meeting of the Society. Subscription, £1; composition, £10. Number of members about 250.

Communications may be presented by members, or by a stranger through a member. The Council decide on the reception of papers, and their subsequent printing in the *Transactions.*

NORWICH GEOLOGICAL SOCIETY.

(FOUNDED 1864.)

Officers.—*President:* Jno. Gunn, M.A., F.G.S. *Treasurer:* Jno. Orfeur. *Hon. Secretary:* S. C. Sothern. *Hon. Librarian:* S. W. Utting.

Objects.—To promote the study of local geology, by papers and field excursions.

Offices.—Norwich Museum. Small library.

Meetings.—First Tuesday in the months of Feb., March, April, May, Nov., Dec.

Membership.—Subscription, 5s.; life subscription, 50s. Number of members, 70.

Communications.—*Proceedings* published annually.

SCOTLAND.

EDINBURGH GEOLOGICAL SOCIETY.

(FOUNDED 1834.)

Officers.—*President:* D. Milne-Holme, *V.P.* R.S.E., LL.D. *Treasurer:* William Adams. *Hon. Secretary:* W. Ivison Macadam, F.C.S.

Objects.—The advancement of geological science by means of periodical meetings for reading of papers, &c.; the publication of *Transactions*, excursions, and the formation of a geological library.

Offices.—At Surgeon's Hall, Edinburgh, where is the library of 8000 to 9000 vols., chiefly geological. Fellows may borrow books.

Meetings on the third Thursday of each month from November to May, at 8 P.M.

Membership.—Candidates as fellows are nominated by two fellows at one meeting, and balloted for at the next. There are also associates and lady associates, who are elected in the same way; and honorary fellows and foreign corresponding fellows, who are elected on the recommendation of the Council. Entrance fee, 10s. 6d.; subscription, 12s. 6d.; life composition, £6, 16s. 6d. Lady associates pay a life composition of £2, 2s.

Communications must be sent to the Secretary, and are read if approved by the Council. They are subsequently published if approved by the Publishing Committee, and as they may direct.

GLASGOW GEOLOGICAL SOCIETY.

(Founded 1858.)

Officers.—*President:* Sir W. Thomson, LL.D., F.R.S. *Treasurer:* John Wright. *Hon. Secretary:* James B. Murdoch, F.S.A. Scot.

Object.—To promote the study of geology by meetings, lectures, and excursions; and by the formation of a library and museum.

Offices.—247 Bath Street, Glasgow. The library contains several hundred volumes relating to geology. Members are allowed to take out books.

Meetings on the second Thursday of each month from October to May, and excursions on Saturdays during spring and early summer.

Membership.—Persons interested in geological science are eligible, and those who are distinguished in it are elected corresponding or honorary members. Subscription, 10s. per annum.

Communications received from members by the Council, and if approved are read.

IRELAND.

ROYAL GEOLOGICAL SOCIETY OF IRELAND.

(Founded 1832.)

Officers.—*President:* V. Ball, M.A., F.R.S. *Treasurers:* Rev. Dr Haughton, F.R.S.; and T. Maxwell Hutton, M.R.I.A. *Secretaries:* Rev. M. H. Close, M.A., F.G.S.; and Hugh Leonard, F.G.S., M.R.I.A.

Objects.—"The investigation of the mineral structure of the earth, and more particularly of Ireland."

Offices.—39 Trinity College, Dublin.

Meetings.—Monthly, from November to June inclusive.

Membership.—Entrance fee, £1, 1s.; subscription, £1, 1s. Number of members, 158.

SECTION V.

BIOLOGY, INCLUDING MICROSCOPY AND ANTHROPOLOGY.

LONDON.

LINNEAN SOCIETY OF LONDON.

(FOUNDED 1788.)

Officers.—*President:* Sir John Lubbock, Bart, M.P., F.R.S. *Treasurer:* F. Crisp. *Secretaries:* B. D. Jackson and G. J. Romanes, F.R.S. *Librarian:* J. Murie.

Objects.—The prosecution of natural history.

Offices.—Burlington House, Piccadilly. There is a library and reading-room.

Meetings on alternate Thursdays, at 8 P.M., during the session.

Membership.—By ballot or certificate of fellows. £6 admission, £3 annual payment, or composition of £45. Number of members nearly 900.

Communications received from members or through a fellow or associate

---

ANTHROPOLOGICAL INSTITUTE.

(*The Ethnological Society was founded in* 1843. *In* 1863 *the "Anthropological Society" was founded, and in* 1871 *the two Societies were united under the name of "The Anthropological Institute."*)

Officers.—*President:* Prof. Flower, F.R.S. *Director:* F. W. Rudler, F.G.S. *Treasurer:* G. Hilton Price, F.G.S., F.S.A. *Assistant Secretary:* G. W. Bloxam, M.A.

Objects.—For "the promotion of the science of mankind (*Anthropology*) by the accumulation of observations bearing on man's past history and present state in all parts of the globe. It investigates, in a rigorously exact manner, everything that can throw light upon the laws of man's nature: his origin, history, and capabilities of progressive development and civilisation. It studies him—structurally and psychologically, under the several types in which he is found in various regions—and comparatively, in relation to the rest of the animal kingdom. The ultimate object of the Institute, therefore, is to build up, on a basis of well-ascertained fact, and logically deduced inference, a *de facto* science of man."

Offices.—3 Hanover Square. There is a library of about 4000 vols., chiefly anthropological, philological, &c. Books may be borrowed by members.

Meetings.—Ordinary meetings twice a month, on Tuesdays, from November to June, at 8 P.M.

Membership.—A candidate must be proposed by two members, one from personal knowledge. Subscription, £2, 2s.; life composition, £21. Number of members about 500, including honorary and corresponding members.

Committees are appointed to conduct special investigations, and the Institute co-operates with foreign scientific societies and the British Association, and appoints local secretaries and corresponding members in different parts of the world to collect information, &c.

Communications are referred to two specialists before reading, and are subsequently printed in the quarterly *Journal* of the Institute.

ZOOLOGICAL SOCIETY OF LONDON.

(FOUNDED 1826, INCORPORATED 1829.)

Officers.—*President:* Prof. Flower, LL.D., F.R.S.

Treasurer: Charles Drummond. *Secretary:* P. L. Sclater, F.R.S.

Objects.—The advancement of zoology and animal physiology, and the introduction of new and curious specimens of the animal kingdom.

Offices.—3 Hanover Square, W. The library contains about 15,000 vols. Fellows may take out books. Zoological collection at the Gardens of about 2400 vertebrate animals. Scientific lectures are given. Open daily from 10 to 5; Saturdays, 10 to 2.

Meetings held on alternate Tuesdays, from November to June, at 3 Hanover Square, West, at 8.30 P.M. Visitors may attend if introduced by fellows.

Membership.—The Society consists of fellows, and honorary foreign and corresponding members. Candidates should communicate with the Secretary. Entrance fee, £5; subscription, £3; life composition, £30.

Communications.—Four parts of *Proceedings*, and one or more of *Transactions*, are published yearly, chiefly illustrated by coloured plates.

ROYAL BOTANIC SOCIETY OF LONDON.

(INCORPORATED 1839 by ROYAL CHARTER.)

Officers.—*President:* H.S.H. The Duke of Teck.

Treasurer: Hugh Lindsay Antrobus. *Secretary:* William Sowerby, F.L.S.

Objects.—To promote the study of botany in all its branches, and its application to medicine, arts, and manufactures, and also the formation of extensive botanical and ornamental gardens within the immediate vicinity of the Metropolis.

Offices.—The Botanical Gardens, Regent's Park. There is a library and museum, admission to which can be had by application at the office; open from 9 to 6, in winter from 9 to 5.

Membership.—Candidates must be proposed as fellows or members by three fellows from personal knowledge, and elected by ballot. Fellows pay an entrance fee of £5, 5s. and subscription of £2, 2s. Members pay £10, 10s. for life; no entrance fee. Number of fellows and members, over 2500.

Communications.—Lectures open to all visitors to the gardens are given on Friday at 4 P.M. during May and June. Information on botanical and kindred subjects will always be given, either personally or through the *Botanical Record*, which is published quarterly, and contains notes on gardening.

THE ENTOMOLOGICAL SOCIETY OF LONDON.

Officers.—*President:* Joseph W. Dunning, F.L.S., &c. *Treasurer:* Edward Saunders, F.L.S. *Secretaries:* Edward A. Pitch, F.L.S.; W. F. Kirby. *Librarian:* Ferdinand Grut, F.L.S.

Objects.—The improvement and diffusion of entomological science.

Offices.—Meeting room and library open from 1 to 6, 11 Chandos Street, Cavendish Square. Members may take out books.

Meetings.—First Wednesday in each month (except January); annual meeting, third Wednesday in January.

Membership.—Candidates must be proposed by three members. The certificate is read at one ordinary meeting, and the ballot takes place on the second ordinary meeting ensuing. Entrance fee, £2, 2s.; subscription, £1, 1s.; life composition, £15, 15s.

Communications.—The Council decides which of the papers read before the Society shall be published in the *Transactions*. The *Journal of Proceedings* contains monthly abstracts of all papers read.

THE NATIONAL FISH CULTURE ASSOCIATION OF GREAT BRITAIN AND IRELAND. (Founded 1883.)

Officers.—*Chairman:* The Marquis of Exeter. *Vice-Chairman:* E. Birkbeck, M.P. *Treasurer:* W. Burdett-Coutts. *Secretary:* W. Oldham Chambers, F.L.S.

Objects.—To encourage and develop the fisheries of the United Kingdom, by collecting and publishing information on fish culture and fisheries, founding establishments for fish culture, assisting in making experiments, and in stocking available waters, advocating the formation of laboratories, &c., forming a library and museum, holding meetings for discussion, &c.

Offices.—Exhibition Grounds, South Kensington.

Meetings.—Annual general meeting in May, and ordinary meetings monthly, except from July to September.

Membership.—Candidates must be proposed and seconded, and elected by ballot by the Council. The Council have the power to elect honorary members and corresponding members. Subscription, £1, 1s.; donation for life membership, £10, 10s. Number of members, 120.

ROYAL MICROSCOPICAL SOCIETY.

(Founded 1839, Incorporated 1866.)

Officers.—*President:* Prof. Duncan, M.D., F.R.S. *Treas.:* Lionel S. Beale, F.R.S. *Hon. Secretaries:* F. Crisp and Prof. F. J. Bell, M.A.

Offices.—King's College, Strand. The library and collection of microscopes and objects are open daily (except Saturday and in August), 11 to 4 P.M.; Wednesday, 7 to 10 P.M.

Meetings.—Second Wednesday in the month, from October to June, at 8 P.M.

BRITISH ORNITHOLOGISTS' UNION.

(Founded 1859.)

Officers.—*President:* Lord Lilford. *Treasurer* and *Secretary:* H. E. Dresser.

Objects.—Publication of the *Ibis*, a magazine of ornithology.

Offices.—6 Tenterden Street, Hanover Square, W.

Meetings.—Once a year, usually in March.

Membership must be balloted for, and receive fully two-thirds of votes of members present at the annual meeting. Number of members, 145.

POSTAL MICROSCOPIC SOCIETY.

(FOUNDED 1873.)

Officers.—*President:* Dr C. P. Coombs.
Hon. Secretary and *Treasurer:* Alfred Allen.

Objects.—To aid in the circulation, study, and discussion of microscopic objects, and to advance the pursuits of natural science amongst its members.

Offices.—Address the Hon. Secretary, 1 Cambridge Place, Bath, who is also curator of the reference cabinets of the Society, from which specimens, with accompanying notes, are temporarily lent to members. The *Journal* of the Society is sold by W. P. Collins, 157 Great Portland Street, London, W.

Membership.—There are two sections for members—(1) the general, to which any microscopist, lady or gentleman, is eligible for election who is able to offer good slides for examination, and who will otherwise endeavour to contribute to the usefulness of the Society; (2) the medical, open to the profession only. Candidates apply to the Hon. Secretary through a member of the Society or other well-known microscopist, and on election by the Council pay 5s. entrance fee, and 10s. annually. Members who are unable or unwilling to circulate slides may instead pay an additional 5s. subscription annually. Number of members, 170.

Communications.—With the boxes of slides, MSS. and sketch memorandum books are circulated, to which each member in his turn is a contributor. Such notes and drawings are the exclusive copyright of the Society. The *Journal* of the Society, issued quarterly, gives select communications from the note books in abstract; it also includes original papers.

PHYSIOLOGICAL SOCIETY, LONDON.

Officers.—*Treasurer:* G. J. Romanes, F.R.S. *Secretary:* Gerald F. Yeo, M.D.

Objects.—For advancement of physiology and facilitating the intercourse of physiologists.

Offices.—Apply to Prof. Yeo, Physiological Laboratory, King's College, W.C.

Meetings are held on the second Saturdays in the months of November, December, February, March, and May. Members may introduce one visitor.

Membership.—Persons engaged in physiological research, or interested in it, are eligible for election as ordinary members, and are elected by ballot. Annual subscription, £1. Men of distinction in science are elected as honorary members. Number of members, 50.

Communications.—The "Proceedings" of the Society are published as a supplement to the *Journal of Physiology.*

QUEKETT MICROSCOPICAL CLUB.

(FOUNDED 1865.)

Officers.—*President:* M. C. Cooke, M.A., LL.D., A.L.S. *Treasurer:* F. W. Gay. *Hon. Secretaries:* J. E. Impen, 7 The Hill, Putney, S.W.; G. C. Karop, 198 Holland Road, Kensington, W. *Hon. Foreign Secretary:* H. F. Hailes, 5 Richmond Villas, Middle Lane, Crouch End, N.

Objects.—To promote and encourage microscopical studies.

Offices.—Apply to the Honorary Secretaries.

Meetings on the second and fourth Friday of the month, at University College, Gower Street, at 8 P.M. Papers are read. Excursions arranged in the summer.

Membership.—Candidates to be proposed by one or more members—one from personal knowledge. Subscription, 10s.

HACKNEY MICROSCOPICAL AND NATURAL HISTORY SOCIETY. (FOUNDED 1877.)

Officers.—*President:* M. C. Cooke, M.A., LL.D., A.L.S.
Hon. Treasurer: J. A. Clark, M.P.S. *Hon. Secretary:* Collis Willmott, F.R.M.S.

Objects.—The reading and discussion of papers on questions of natural history, exhibition of objects, and field excursions.

Offices.—At the Triangle, Hackney, with a library and collection of microscopical objects and natural history specimens.

Meetings.—The first Wednesday in each month, at 8 P.M., at the Morley Hall, Triangle. Meetings on the third Wednesday in each month for conversation and exhibition of objects. Members may introduce a visitor to meetings.

Membership.—Candidates are proposed by a member to whom they are personally known, seconded by another member, and balloted for at the following meeting. Number of members, 111.

Communications are printed in abstract in the Annual Report.

SOUTH LONDON ENTOMOLOGICAL AND NATURAL HISTORY SOCIETY. (FOUNDED 1872.)

Officers.—*President:* W. West, L.D.S.
Treasurer: E. Step. *Secretary:* A. Pearce.

Objects.—The diffusion of entomological science and natural history in general.

Offices.—60 Blackman Street, Bow, S.E.

Meetings.—First and third Thursdays in the month, at 8 P.M.

Membership.—Entrance fee, 1s.; annual subscription, 6s. Number of members, 48.

Communications.—An annual report is published with the President's address.

SOUTH LONDON MICROSCOPICAL AND NATURAL HISTORY CLUB. (FOUNDED 1871.)

Officers.—*President:* B. Daydon Jackson, Sec.L.S., F.R.M.S.
Treasurer: T. J. Maynard. *Secretaries:* Henry Groves and Robert Briant.

Offices.—Apply to the Secretaries, 200 Kennington Park Road, S.E.

Meetings.—On first and third Tuesdays in each month, at 8 P.M. At some of these papers are read, others are "gossip evenings." Members may introduce visitors.

Membership.—Candidates are proposed by two members, and balloted for at the next meeting. Subscription, 10s. Number of members about 130.

Communications are read and discussed at the meetings, and afterwards published in abstract in the Annual Report.

COUNTRY.

BACUP NATURAL HISTORY SOCIETY.

(FOUNDED 1878.)

Officers.—*President:* T. Aitkin.

Treasurer: T. Witham. *Hon. Secretaries:* G. Gilbert and J. Holmes.

Meetings held in winter to discuss papers.

BANBURYSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB. (FOUNDED 1881.)

Officers.—*President:* The Ven. Archdeacon Holbech, M.A.

Treasurer: L. Gunn. *Secretary:* Edwin A. Walford, F.G.S.

Objects.—To study the natural history of the neighbourhood.

Offices.—Apply to the Secretary, 21 West Bar Street, Banbury.

Meetings.—The first Monday in each month for the reading of papers and reports, exhibition of objects, &c. Field excursions occasionally in the summer months.

Membership.—Subscription, 5s. annually. Number of members, 80.

Sections.—Entomology, Zoology, Geology, and Botany.

BATH MICROSCOPICAL SOCIETY.

(FOUNDED 1859.)

Officers.—*President:* J. S. Bartrum. *Hon. Secretary:* R. H. Moore.

Object.—Microscopical research.

Offices.—Address the Secretary, 13 Pulteney Gardens, Bath. The library of about 200 vols., on microscopy, &c., also the cabinet of specimens, are in the Mineral Water Hospital.

Meetings.—During session (October to May) on the first Tuesday in each month, from 8 to 10 P.M., in the Board Room of the Mineral Water Hospital. Papers by members are read and discussed. There is an excursion in June to some locality of interest. Visitors introduced by a member may attend.

Membership.—Honorary members are nominated and proposed for election at any meeting. An ordinary member is nominated at one meeting, and each member is advertised that the ballot will take place at the next meeting. Entrance fee, 10s. 6d., and subscription, 10s. 6d. Total on the roll, 43.

BEDFORDSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB. (FOUNDED 1875.)

Officers.—*Treasurer:* J. Ekins. *Secretary:* T. Gwyn Elger, F.R.A.S.

Objects.—To promote the science of natural history, by meetings for the reading of papers, the exhibition of specimens, the study of microscopy, and by field excursions.

Offices.—Apply to the Secretary, Manor Cottage, Kempston, Beds.

Meetings are held on the second Thursday in each month; microscopical meetings on the last Thursday in each month.

Membership.—Subscription 5s. per annum. Candidates are proposed and seconded at the meeting preceding election. Number of members about 80.

Communications received from all (whether members or not) if suitable.

BEVERLEY FIELD NATURALISTS' AND SCIENTIFIC SOCIETY.

Officers.—*President:* J. Ambrose Ridgway, F.R.A.S.
Treasurer: Johnson C. Swailes. *Secretary:* J. Darker Butterell.

Objects.—The investigation of the flora and fauna of the chalk wolds and Holderness in the East Riding of York.

Offices.—Guardian Office, Beverley.

Meetings.—Thursdays, fortnightly, at 8 P.M. Reading of papers, exhibition of specimens on alternate evenings.

Membership.—Subscription, 5s. per annum; junior members, 2s. 6d. Number of members, 80.

Committees.—Sections for Vertebrate Zoology, Botany, Geology, Conchology, Entomology, Microscopy.

BIRMINGHAM MICROSCOPISTS' AND NATURALISTS' UNION. (FOUNDED 1880.)

Officers.—*President:* J. W. Neville. *Treasurer:* W. Dunn. *Secretaries:* H. Insley, 15 Mansfield Drive, Mansfield Road, Aston Park; and P. T. Deakin, 46 Princess Road, Edgbaston.

Objects.—To aid students, by mutual help and co-operation, in all departments of natural history and microscopy.

Offices.—20 Paradise Street, Birmingham. Library of about 50 vols. and papers.

Meetings.—Every Monday evening, at 7.30.

Membership.—Persons of either sex above the age of 16. Subscription, 5s. per annum. Number of members about 50.

Communications.—The Society's report is published in the *Midland Naturalist.*

BLACKBURN FIELD NATURALISTS' SOCIETY.

(FOUNDED 1872.)

Officers.—*President:* Lieut.-Gen. Feilden, C.M.G., M.P.
Treasurer: R. C. Pilling. *Secretary:* J. D. Geddes.

Objects.—To promote study and research in natural history and the use of the microscope.

Offices.—Apply to the Secretary, 3 Tacketts Street, Blackburn.

Meetings are held every Monday. Lectures on first Monday in each month, and excursions arranged in the summer.

Membership.—Candidates must be proposed and seconded by members. Gentlemen pay 5s., ladies 2s. 6d. per annum. Number of members about 170.

BOLTON MICROSCOPICAL SOCIETY.

(FOUNDED 1877.)

Officers.—*President:* C. S. Jackson. *Treasurer:* R. Walmsley.
Hon. Secretary: W. Rideout, 361 New Road, Halliwell, Bolton.

Meetings held in Maudsley Street Board Schools, on the first Thursday in the month, from September to May.

BRADFORD MICROSCOPICAL SOCIETY.

(Founded 1882.)

Officers.—*President:* F. Pressman, J.P.

Treasurer: Dr. J. E. Morehouse. *Secretary:* Charles E. Wallingham.

Object.—*Microscopy.*

Meetings at Bradford Grammar School. Communications to 37, Darley Street.

Membership.—5s. subscription. Members must be elected at an ordinary meeting.

BRADFORD NATURALISTS' SOCIETY.

(Founded 1875.)

Officers.—*President:* W. H. Evans, M.D. *Treasurer:* J. Saville. *Secretaries:* Financial, J. Bennett; Corresponding, J. Eastwood, 22 White's Terrace, Whetley Hill. *Librarian:* B. Illingworth.

Objects.—To acquire and diffuse knowledge of the various branches of natural history.

Offices.—Meetings held in the library of the Bradford Grammar School. About 100 vols. in library.

Meetings.—Fortnightly for papers, lectures, and exhibits.

Membership.—Number of members, 41. Entrance fee, 1s.; subscription for honorary members, 10s. 6d.; for ordinary members, 4s. per annum.

Committees.—Recorders for the following sections:—Botanical, Conchological, Entomological, Geological, Vertebrate Zoology, and Invertebrate Zoology (other than Entomology and Conchology).

Communications.—Reports of meetings are published in the local papers and in the *Naturalist.*

BRADFORD PRACTICAL NATURALISTS' SOCIETY.

(Founded 1883.)

Officers.—*Secretaries:* Henry S. Ward and H. J. Riley.

Objects.—To promote and encourage practical scientific work, and interchange of thought, information, specimens of natural history, &c., among its members.

Offices.—Great Horton, Bradford, Yorkshire.

Meetings.—Occasional field days, and district excursions.

Membership.—Number of members, 148. No subscription. Entrance fee, 6d.

Communications received from members, and published in *The Naturalists' World* monthly.

BRAINTREE AND BOCKING MICROSCOPICAL AND NATURAL HISTORY CLUB.

Officers.—*President:* Thomas Taylor, M.R.C.S.

Treasurer: F. Row. *Secretary:* D. Radford Sharpe, M.R. Mic. Soc.

Objects.—Advancement of microscopy and natural history among its members.

Offices at the Vestry Hall, Braintree.

Meetings.—On the last Tuesday in each month, except July, August, and September.

Membership.—Annual subscription, 2s. 6d. Number of members about 90.

Communications.—An annual report is published, containing the papers read.

BRIGHTON AND SUSSEX NATURAL HISTORY SOCIETY. (Founded 1853.)

Officers.—*President:* Dr W. Anslie Hollis. *Treasurer:* Thomas Glaisyer. *Hon. Secretaries:* Benjamin Lomax, F.L.S.; and John Colbatch Clark.

Objects.—To promote the science of natural history, and to facilitate its study by the formation and maintenance of a library, and by meetings for the reading of papers and exhibition of specimens.

Offices.—The library is in the Free Public Library, Church Street, Brighton.

Meetings.—Ordinary meetings on the second, and microscopical meetings on the fourth Thursday in each month.

Membership.—The Society consists of ordinary and honorary members. Ordinary members are elected, and pay an entrance fee of 10s. and an annual subscription of 10s. Total number about 170.

BRISTOL MICROSCOPICAL SOCIETY.

(Founded 1843.)

Officers.—*President:* H. A. Francis. *Hon. Secretary:* Rev. W. Locock.

Meetings are held at the Philosophical Institution, on the third Thursday in the month, from October to June.

BURY NATURAL HISTORY SOCIETY.

(Founded 1868.)

Officers.—*President:* R. H. Alcock, F.S.G. *Treasurer:* Robert Kay. *Librarian:* T. Lawrence. *Honorary Secretary:* J. E. Parr.

Objects.—For mutual improvement of members in entomology, botany, geology, microscopy, and natural history generally.

Offices.—Athenæum, Bury. Library of 300 volumes free to members.

Meetings.—The first Tuesday in each month (the microscopic section meets on the third Tuesday). Annual public conversazione.

Membership.—Members to be proposed and seconded, then voted for at meeting. Fees, 4s. yearly. Number of members, 27.

CAMBRIDGE ENTOMOLOGICAL SOCIETY.

No information.

CAMBRIDGE NATURAL HISTORY SOCIETY.

No information.

CARADOC FIELD CLUB.

COPTHAM HOUSE, SHREWSBURY.

No information.

CARLISLE MICROSCOPICAL SOCIETY.

Officers.—*President:* C. S. Hall, M.R.C.S., F.R.M.S. *Treasurer:* W. Wightman. *Hon. Secretary:* A. Barnes Moss, 71 English Street, Carlisle.

Objects.—To promote microscopical research, and to assist the members by the purchase of expensive books and appliances which are beyond the reach of most individual members.

Offices.—Apply to Honorary Secretary. Library of books and slides at the Hall of the Young Men's Association, Fisher Street, open on meeting nights and every Saturday evening.

Meetings.—First Friday in the month, at 7.30. A paper is usually read, and discussion invited. Visitors freely admitted by application to the Secretary, or through any member's introduction.

Membership.—Subscription, 10s. per annum. Number of members, 32.

Committees.—A sub-society of members meet for mounting objects and similar work.

Communications.—Corresponding members send papers and notes, in addition to the paper read for the evening.

CHESTER SOCIETY OF NATURAL SCIENCE.

(FOUNDED 1871.)

Officers.—*President:* Prof. T. M. Kenny Hughes. *Treasurer:* John Mills. *Honorary Secretaries:* Scientific, Dr Stolterforth; General, G. R. Griffith and W. H. Okell.

Objects.—Promotion of the study of natural science, by lectures, field meetings, reading and discussion of papers, &c.

Offices.—Lower Bridge Street, Chester, with museum and library. Books may be borrowed by members.

Meetings.—At least six field meetings in summer, and weekly evening meetings for reading and discussion of papers during the winter session. Each member may introduce one non-resident friend.

Membership.—Candidates are proposed and seconded at a general meeting. Subscription, 5s. Distinguished scientific men or persons who may render special service to the Society may be elected honorary or corresponding members on the nomination of the committee. Number of members about 600. Classes are held in connection with the Science and Art Department, and prizes are offered for collections in natural history, &c.

Communications must receive the sanction of the committee, and are then read at the evening meetings. They are also read at the sectional meetings of the Society.

CHICHESTER & WEST SUSSEX NATURAL HISTORY AND MICROSCOPICAL SOCIETY. (ESTABLISHED 1873.)

Officers.—*President:* Canon Awdry. *Treasurer:* C. T. Halsted, J.P. *Secretaries:* A. Lloyd, F.C.S., M. Ent. Society; and J. Anderson, jun.

Objects.—To promote the study of natural history by reading of papers and exhibition of objects.

Offices.—In Museum belonging to Literary Society and Mechanics' Institute, Chichester.

Meetings.—Second Tuesday in each month. Exhibition of objects and reading of papers.

Membership.—Members elected by ballot. Subscription, 5s. per annum for members and lady associates; junior members, 2s. 6d. Number of members about 100.

Communications.—Communications, received from or through any member, published in full or in abstract, according to interest.

COLCHESTER NATURAL HISTORY SOCIETY.

No information.

CROYDON MICROSCOPICAL AND NATURAL HISTORY CLUB. (Founded 1870.)

Officers.—*President:* John Berney, F.R.M.S.
Treasurer: Henry T. Mennell. *Hon. Secretary:* Charles Price Turner.

Objects.—The investigation of the meteorology, geology, botany, and zoology of the neighbourhood of Croydon and the county of Surrey, and the dissemination amongst its members of information on the subjects of microscopy and natural history.

Offices.—Public Hall, Croydon. There is a library. Members may take out books.

Meetings.—At 8 P.M., on the second Wednesday in February, March, April, May, September, October, November, and December. The annual meeting is held on the second Wednesday in January. Field excursions are arranged during the summer months.

Membership.—Candidates must be proposed by two members, one from personal knowledge. Names read at one meeting, ballot held on the next. Subscription, 10s. Number of members about 240.

Committees.—There are sub-committees for meteorology, geology, botany and zoology.

EALING MICROSCOPICAL AND NATURAL HISTORY SOCIETY. (Founded 1877.)

Officers.—*President:* Rev. George Henslow, M.A., F.L.S., F.G.S., &c. *Treasurer:* C. N. Peal, F.R.M.S. *Secretary:* E. Russell Budden, F.C.S., Eversley Lodge, Ealing Common, W.

Offices.—Apply to the Secretary. Library, about 100 vols.

Meetings.—The last Saturday in each month, at 7.30 P.M., at Christ Church Schools, Ealing, for exhibition of microscopical objects, reading and discussing scientific papers. There are occasional excursions in summer.

Membership.—Subscription, 10s. annually. Number of members, 105.

EBBW VALE INSTITUTE NATURALISTS' CLUB.

Officers.—*President:* John Parry. *Honorary Secretary pro tem.:* J. W. Davies.

Offices.—The Institute.

Meetings.—Occasional in winter for microscopic work, in the summer for field excursions.

Membership.—Election by ballot. Subscription, 1s.; ladies free. Number of members, 20.

ELLAND-CUM GREETLAND NATURAL HISTORY SOCIETY.

(Founded 1869.)

Officers.—*President:* James Whiteley. *Treasurer* and *Secretary:* Oliver Sutcliffe.

Objects.—To promote the study of natural history in all its branches.

Offices.—West Vale.

Meetings on the first Monday in each month, at 8 P.M. Library of 130 vols.

Membership.—1s. entrance fee; subscription, 3s. Number of members, 24.

ERITH AND BELVEDERE NATURAL HISTORY AND SCIENTIFIC SOCIETY.

No information.

EVESHAM FIELD NATURALISTS' CLUB.

57 BRIDGE STREET.

No information.

EXETER FIELD NATURALISTS' CLUB.

(FOUNDED 1880.)

Officers.—*President:* Rev. J. Hollins, MA.

Treasurer: R. V. Turner. *Secretary:* J. Jerman.

Objects.—To investigate and record the natural history of the district, by means of field excursions and winter meetings.

Offices.—33 Paul Street. The Club has a collection of reference and text-books on natural history.

Meetings.—Field meetings are usually held fortnightly in summer, and in winter indoor meetings occasionally for microscopic exhibitions and reading of papers. There is a microscopic class for courses of study and preparation of microscopic objects. Secretary and Treasurer, L. R. Jerrer, Bedfordshire.

Membership.—Members must be *bona fide* students or collectors in some branch of natural history. Non-working members may join as honorary members. Subscription, 5s. and 10s. per annum. Number of members, 37.

FOLKESTONE NATURAL HISTORY SOCIETY.

(FOUNDED 1868.)

Officers.—*President:* C. E. Fitzgerald, M.D.

Secretary: Henry Ullyett, B.Sc., F.R.G.S.

Objects.—To cultivate a love of natural history, and to work out that of the locality.

Meetings.—Monthly for the reading and discussion of papers.

Membership.—Subscription, 5s. and 2s. 6d. Number of members, 100.

HEREFORDSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB.

No information.

HUDDERSFIELD NATURALISTS' SOCIETY.

(FOUNDED 1847.)

Officers.—*President:* Alfred Clarke.

Treasurer: A. W. Whiteley. *Secretary:* S. L. Mosley.

Objects.—Mutual assistance, the collection and exhibition of specimens, the formation of a library, and publication of the *Transactions* of the Society.

Offices.—Address the Secretary, Beaumont Park Museum, Huddersfield.

Meetings in the Victoria Hall on every fourth Monday and Saturday, from January to December, from 8 to 10 P.M., for lectures, the reading of papers, with discussion. Fortnightly Saturday rambles in summer. The annual general meeting is in December. Visitors introduced by a member may attend.

Membership.—There are honorary and ordinary members. Gentlemen pay entrance fee of 2s. 6d. and 4s. annually; ladies, 1s. entrance fee, and 2s. 6d. annually. Number enrolled, 100.

Communications.—The Society has in preparation catalogues of the flora and fauna of the district, and the *Transactions* include those already issued. Exchange of Transactions solicited.

HULL FIELD NATURALISTS' SOCIETY.

(FOUNDED 1880.)

Officers.—*President:* N. F. Dobrée.

Treasurer: Thomas Dennis. *Secretary:* W. Officer, 38 Louis Street, Hull.

Objects.—Primarily to investigate the natural history of the neighbourhood of Hull, and record results; also to encourage generally a taste for natural history and other scientific pursuits.

Offices.—Temporarily at 26 Scale Lane, Hull.

Meetings on alternate Tuesday evenings, to receive reports, read papers, &c.

Membership.—Subscription, 4s. per annum. Number of members, 46.

EAST KENT NATURAL HISTORY SOCIETY.

(FOUNDED 1858.)

Officers.—*President:* Captain Gordon M'Dakin. *Treasurer:* Colonel Horsley, R.E. *Secretary:* G. H. Nelson, M.A., F.G.S., F.R.G.S.

Objects.—"To collect and diffuse practical and theoretical knowledge respecting natural history in all its branches, both in relation to the particular district and the general science."

Offices.—Number of volumes in library about 300.

Meetings.—First Wednesday in each month, at 7.30, at 6 High Street, Canterbury.

Membership.—Subscription, 10s. Number of members, 78.

LANCASHIRE AND CHESHIRE ENTOMOLOGICAL SOCIETY. (FOUNDED 1877.)

Officers.—*President:* Samuel James Capper. *Secretary:* John W. Ellis, L.R.C.P., L.R.C.S. Ed., 101 Everton Road, Liverpool.

Objects.—To promote the study of insect life.

Offices.—Free Public Library, Liverpool. Library of about 60 vols.

Meetings held on last Monday in the month, 7.30 P.M

Membership.—Subscription, 5s. per annum. Number of members, 66.

Communications.—Papers desired by the members to be printed are sent to the *Naturalist.*

LIVERPOOL MICROSCOPICAL SOCIETY.

(FOUNDED 1868.)

Officers.—*President:* Charles Bothwell.

Treasurer: J. M. Williams. *Hon. Secretary:* J. C. Thompson, F.R.M.S.

Objects.—Promotion of microscopical research by reading of papers, loan of slides to members, &c.

Offices.—15 Royal Institution Buildings. Library and large cabinet of slides. Office hours, 9 to 5. Members may borrow books.

Meetings.—In the Picture Gallery of the Royal Institution, at 6.30 P.M., on the first Friday of every month. Visitors may attend on the introduction of members.

Membership.—Candidates are proposed and seconded at one general meeting and balloted for at the next. Honorary members are admissible, if not resident within 10 miles from the Exchange, and if distinguished by attainments in microscopical science or for services rendered to the Society. Captains of vessels and others exhibiting objects of interest are admissible as associates for a period of three years.

Communications must be presented to the Council for approval, and are published in abstract in the Annual Report.

LIVERPOOL NATURALISTS' FIELD CLUB.

(FOUNDED 1860.)

Officers.—*President:* Rev. H. H. Higgins, M.A.

Treasurer: T. Fell Abraham. *Secretary:* Rev. W. Banister, B.A.

Objects.—Study of natural history in all its branches.

Offices.—Royal Institution, Liverpool. Apply to the Secretary, St James Mount, Liverpool.

Meetings.—Nine field meetings during the summer; three or four evening meetings during the winter.

Membership.—Candidates must be proposed and seconded by a member at a general meeting. Subscription, 5s. per annum. Number of members 420.

MALVERN NATURALISTS' FIELD CLUB.

(FOUNDED 1852.)

Officers.—*President* and *Secretary:* Henry Wilson, M.A., Eastnor, Malvern Link.

Objects.—To study the archæology, geology, botany, &c., of Malvern and neighbourhood.

Offices.—A museum kept at Malvern College.

Meetings.—Four or five excursions in the year to places of interest.

Membership.—Subscription, 5s. Number of members, 80.

Communications.—Papers read by members or visitors at the excursions.

MALTON FIELD NATURALIST AND SCIENTIFIC SOCIETY. (FOUNDED 1880.)

Officers.—*President:* D. H. Huddleston, F.G.S. *Treasurer:* W. Hodgson.
Secretary: T. L. Lister, Vine Street, Norton, Malton.

Objects.—For the furtherance of scientific study and investigation.

Offices.—In rooms of the Malton Literary Institute, at 8 P.M. A fair library.

Meetings.—Every third Monday in the month for general meetings, at which lectures and papers are given. In the summer months members of sections attend every Friday evening at 8 P.M. for naming of specimens.

Membership.—Subscriptions of 2s. 6d. and 5s. per annum. Number of members, 102.

Committees.—There are Sectional Committees.

MANCHESTER MICROSCOPICAL SOCIETY.

Officers.—*President:* W. Blackburn. *Secretary:* Charles Cook, Athenæum.

Membership.—Includes all amateur and non-medical microscopists of the district.

MIDLAND UNION OF NATURAL HISTORY SOCIETIES. (FOUNDED 1877.)

Officers.—*President:* Very Rev. the Dean of Peterborough. *Treasurer:* Egbert de Hamel, Hockley. *Honorary Secretary:* W. Jerome Harrison, F.G.S., 365 Lodge Road, Birmingham.

Objects.—To extend the usefulness of local natural history and allied societies by intercommunication through an authorised and regularly published journal (*The Midland Naturalist*), which records the more important work done by them, announces their forthcoming meetings, and assists in the interchange of notes and specimens; and by providing opportunities for personal intercourse among the members, at annual meetings.

Meetings.—General meeting held annually in month of June in some Midland town.

Membership.—Each Society belonging to the Union pays 3d. per member into the general fund. Number of members, 2416.

Communications.—The Darwin Gold Medal, value £10, is awarded annually to the best paper (embodying the results of original research) sent in for publication. The Union is composed of the following societies:—Bedfordshire Natural History Society and Field Club, Birmingham Microscopists' and Naturalists' Union, Birmingham Natural History and Microscopical Society, Birmingham Philosophical Society, Birmingham and Midland Institute Scientific Society, Birmingham School Natural History Society, Burton-on-Trent Natural History and Archæological Society, Caradoc Field Club, Dudley and Midland Geological and Scientific Society and Field Club, Evesham Field Naturalists' Club, Leicester Literary and Philosophical Society, Northamptonshire Natural History Society, Nottingham Naturalists' Society, Nottingham Working Men's Naturalists' Society, Oswestry and Welshpool Naturalists' Field Club, Oxfordshire Natural History Society, Peterborough Natural History and Scientific Society, Severn Valley Naturalists' Field Club, Stroud Natural History Society, Tamworth Natural History, Geological, and Antiquarian Society.

NEW CROSS MICROSCOPICAL AND NATURAL HISTORY SOCIETY. (FOUNDED 1872.)

Officers.—*President:* Frank Harrisson.

Treasurer and *Secretary:* Mark John Lindsey, junior.

Objects.—Microscopical research and study of natural history.

Meetings.—At St Peter's Hall, Brockley; papers and discussion, first Thursday; gossip meeting, third Thursday, at 8 P.M. Six field meetings annually.

Membership.—Subscription, 10s. 6d. per annum. Number of members, 51.

Committees.—Excursion Committee.

NORFOLK AND SUFFOLK FISH ACCLIMATIZATION SOCIETY. (FOUNDED 1878.)

Officers.—*President:* Edward Birkbeck, M.P.
Secretary: W. Oldham Chambers, F.L.S.

Objects.—To acclimatize superior food fishes in the public waters of East Anglia.

Offices.—Norwich.

Meetings.—Quarterly.

Membership.—Subscription, £1, 1s. Number of members, 75.

NORFOLK AND NORWICH NATURALISTS' SOCIETY. (FOUNDED 1869.)

Officers.—*President:* H. M. Upcher.
Treasurer: H. Geldart. *Secretary:* W. H. Bidwell.

Objects.—The objects of the Society are (1) the practical study of natural science; (2) the protection of indigenous species of the rarer species of birds that occasionally visit the county, and of rare plants in their native localities; (3) the record of facts and traditions connected with the habits, distribution, and former abundance or otherwise of animals and plants which have become extinct in the county, and the use of all legitimate means to prevent the extermination of existing species, more especially those known to be diminishing in numbers; (4) the publication of papers on natural history, especially such as relate to the county of Norfolk; (5) the reading and discussion of papers, and exhibition of specimens, supplemented by field meetings and excursions.

Offices.—The library contains about 200 volumes and 100 pamphlets. Members may take out books.

Meetings.—Meetings held at the Museum on the last Tuesday of each month, excepting the three summer months, when excursions are arranged.

Membership.—Candidates proposed and seconded are elected by ballot. Subscription, 5s. Honorary members are also elected. Number of members, 247.

NORTHAMPTONSHIRE NATURAL HISTORY SOCIETY AND FIELD CLUB. (FOUNDED 1876.)

Officers.—*President:* Lord Lilford, F.L.S., F.Z.S. *Treasurer:* B. Hesleden-Waterloo. *Honorary Secretaries:* S. J. Newman, T. L. Cordeux, and H. J. Eunson.

Objects.—To encourage the study of natural history; and to collect, keep, and publish proper and accurate records of the natural history of the county and district. The work is divided into seven sections.

Offices.—All communications to be addressed to the Honorary Secretaries, 32 Abingdon Street, Northampton, where is a library of 200 volumes.

Meetings held fortnightly throughout the year, when natural history specimens are shown and papers read. Lectures are also arranged for.

Membership.—Subscription, 10s. Number of members about 200.

NOTTINGHAM NATURALISTS' SOCIETY.

(FOUNDED 1852.)

Officers.—*President:* Edward Seaton, M.D. *Treasurer* and *Honorary Secretary:* B. Sturges Dodd, 33 Beech Avenue, New Basford.

Objects.—To encourage the study of the natural history of the county, and the reading of papers from time to time, and to encourage microscopical research. Quarterly microscopical gatherings are held.

Offices.—Social Guild, Parliament Street. Circulating library of about 250 volumes.

Meetings.—Twice monthly (first and third weeks), at 8.15 P.M. Three summer excursions and afternoon rambles.

Membership.—Subscription, 5s. Number of members, 160. An annual report is published, with abstracts of papers read.

NOTTINGHAM WORKING MEN'S NATURALISTS' SOCIETY.

Officers.—*President:* W. Morley. *Treasurer:* G. Westby. *Secretary:* Thomas J. Goldsmith, Glebe Street, 1 Colsterwoth Terrace.

Objects.—Promotion of science.

Offices.—"Sir Francis Burdett." Library of 100 vols.

Meetings.—8 P.M. on Mondays. Papers by members.

Membership.—1s. 9d. entrance fee, 1½d. per week subscription. Number of members, 40.

Communications to be addressed to the Secretary.

OXFORDSHIRE NATURAL HISTORY SOCIETY.

(FOUNDED 1880.)

Officers.—*President:* Professor Westwood, M.A., F.L.S. *Treasurer* and *Secretary:* G. C. Druce.

Objects.—To study natural history.

Offices.—Meetings, by permission, are held in the University Museum.

Membership.—5s. annually. Number of members about 40.

Committees.—Sections for Botany, Entomology, Ornithology, Geology.

REDHILL HOLMESDALE NATURAL HISTORY CLUB.

No information.

RICHMOND AND NORTH RIDING NATURALISTS' FIELD CLUB. (FOUNDED 1865.)

Officers.—*President:* Gerald Walker. *Secretaries:* E. B. Walton and H. Hurworth.

Objects.—To promote a knowledge of the natural history of the district, and to establish a museum.

Offices.—The Museum, Castle Hill.

Meetings.—For the exhibition of specimens, reading of papers, &c., on the first Monday in each month, at 8 P.M., and on the third Monday in each month for

discussions and other purposes of the Club. Annual meeting is in January; excursion in July.

Membership.—Subscription for members, 5s.; associates, 2s. 6d. Ladies are eligible. Number of members, 75.

RIPPONDEN NATURALISTS' SOCIETY.

(RE-ORGANIZED 1873.)

Officers.—*President:* J. Womersley.

Treasurer: G. Shaw. *Secretary:* W. C. Moores.

Objects.—To encourage the study of nature.

Meetings at Queen's Hotel, on the second Saturday in each month.

Membership.—Subscription, 4s. per annum. Number of members, 15.

ROCHESTER NATURALISTS' CLUB.

(FOUNDED 1878.)

Officers.—*President:* C. Bird, B.A., F.G.S.

Treasurer: R. Lines. *Secretary:* J. Hepworth.

Objects.—(*a*) Practical study of natural history. (*b*) Protection of indigenous species. (*c*) The collection of specimens illustrative of the natural history and the geology of the district included within a radius of ten miles of Rochester.

Offices.—Sir J. Williamson's Mathematical School, High Street, Rochester.

Meetings about fortnightly, for the reading of papers, and also exhibition of objects.

Membership.—Candidates are nominated by two members, and balloted for at next meeting. Entrance fee, 2s. 6d.; annual subscription, 3s. 6d. Number of members, 85.

Communications.—Papers read before the Club (or articles from outsiders, if approved by the committee and editors) are published quarterly in the *Rochester Naturalist.*

ROTHERHAM NATURALISTS' SOCIETY.

ST GEORGE'S HALL.

No information.

SCARBORO' ORNITHOLOGICAL SOCIETY.

No information.

SELBY NATURALISTS' SOCIETY.

(FOUNDED 1875.)

Officers.—*President:* Mark Scott.

Treasurer: H. Liversidge. *Secretary:* W. N. Cheesman, The Crescent, Selby.

Meetings at the Mechanics' Institute.

Membership.—2s. 6d. annual subscription. Number of members, 75.

Committees.—Sections for Botany, Entomology, Geology, Conchology.

SHEFFIELD MICROSCOPICAL SOCIETY.

(FOUNDED 1877.)

Officers.—*President:* W Jenkinson.

Treasurer: W. Cocker. *Secretary:* H. Moore, Stanley Street, Rotherham.

Objects.—Mutual assistance on microscopical research.

Offices.—Apply to the Secretary as above.

Meetings are held at St Paul's School Rooms, Cambridge Street, at 7.30, on the first and third Fridays in each month.

Membership.—Subscription, 5s. Number of members, 22.

SHEFFIELD AND HALLAMSHIRE FIELD NATURALISTS' SOCIETY,

'GREY HARE INN, HIGH STREET.

No information.

STROUD NATURAL HISTORY SOCIETY.

(FOUNDED 1876.)

Officers.—*President:* Thomas Partridge.

Treasurer: Wm. Bishop. *Secretary:* E. Northam Witchell.

Objects.—To form a library, to make summer excursions, and to read papers.

Offices.—The library at Stroud, contains about 100 volumes, which are changed annually, and lent to members.

Meetings.—Three winter meetings at which papers are read, and two summer excursions.

Membership.—Persons paying 10s. annually, and keeping a scientific work in the library, are admitted. The number is limited to 60.

TODMORDEN BOTANICAL SOCIETY.

No information.

TEIGNMOUTH NATURALISTS' FIELD CLUB.

No information.

WAKEFIELD NATURALISTS' AND PHILOSOPHICAL SOCIETY.

Officers.—*President:* Joseph Wainwright, F.L.S.

Treasurer: Jesse Arthur Thornton. *Secretary:* Edward Brooke Wrigglesworth.

Objects.—To aquire and diffuse knowledge on the various branches of natural history and science.

Offices.—Old Town Hall, Wood Street. Library of 150 vols.

Meetings held twice monthly, for lectures and exhibition of specimens, &c.

Membership.—Number of members, 80. Life members, £5; honorary members, £1, 1s. and 10s. 6d.; resident members, 4s. per annum; entrance fee, 2s. 6d.; youths' class, 2s. per annum; entrance fee, 1s. 6d.

Communications made through the Secretary, and published annually.

WALTHAMSTOW NATURAL HISTORY AND MICROSCOPICAL SOCIETY.

Officers.—*President:* David Howard, F.C.S.

Treasurer: William Houghton. *Secretary:* O. C. Goldthwait.

Objects.—Microscopical research and practical study of natural history, especially that of Walthamstow.

Offices.—The Town Hall, Walthamstow. There is a library. Members may take out books.

Meetings held on the second Monday of the month, at 8 P.M. Visitors may attend.

Membership.—Candidates must be proposed from personal knowledge at one meeting and balloted for at the next. Subscription, 10s. 6d. Hon. members may be elected.

WORCESTERSHIRE NATURALISTS' FIELD CLUB.

(FOUNDED 1847.)

Officers.—*President:* Rev. Eustace Robinson.

Hon. Secretary and *Treasurer:* J. S. Haywood, Worcester.

Objects.—The study of natural history in all its branches, but especially the natural history of Worcestershire.

Meetings.—Excursions, four or five in the course of the year, which are reported in detail in the Worcester newspapers, with a list of what has been found or discovered in each excursion. Papers are read at the excursions.

Membership.—Annual subscription, 5s. Number of members about 140, besides honorary members.

Committees.—A Botanical Committee, who have published an 8vo volume on *The Botany of Worcestershire.*

HIGH WYCOMBE NATURAL HISTORY SOCIETY.

(FOUNDED 1865.)

Officers.—*President:* Rev. T. H. Browne.

Treasurer: John Parker. *Secretary:* Thomas Marshall.

Objects.—The study of natural science and microscopy.

Offices.—Small library containing very valuable books.

Meetings.—Once a month.

Membership.—Subscriptions, 2s. 6d. per annum.

YORKSHIRE NATURALISTS' CLUB.

(FOUNDED 1849.)

Officers.—*President:* Hon. Payan Dawnay.

Treasurer and *Secretary:* C. Wakefield.

Objects.—The promotion of a knowledge of the natural history of the county, and the bringing of Yorkshire naturalists into more general communication with one another.

Offices.—6 Feasgate, York.

Meetings.—First Wednesday of each month (except January) at 8 P.M., for exhibitions of specimens and reading of papers.

Membership.—Election by ballot. Subscription, 5s. annually. Number of members, 70.

SCOTLAND.

BOTANICAL SOCIETY OF EDINBURGH.

(FOUNDED 1836.)

Officers.—*President:* W. B. Boyd.
Treasurer: Patrick Neill Fraser. *Secretary:* Andrew Taylor.

Objects.—The whole range of botanical science, together with such parts of other branches of natural history as are more immediately connected with it.

Offices.—Society meets in winter months at 5 St Andrew Square. Library incorporated with that at the Royal Botanic Garden, open daily till 2.30 P.M.; also library, 2000 vols., and herbarium of upwards 90,000 specimens.

Meetings on second Thursday of month, from November till July. Three summer meetings at Royal Botanic Garden. An Alpine Club in connection with the Society makes annual excursion to Scottish Highlands.

Membership consists of honorary residents, non-residents, foreign and corresponding members, associates, and lady associates, in all 457. Members, 15s. annually, or £6, 6s. composition (if resident); non-residents, £5, 5s.; lady associates, £2, 2s.

Committees.—The Alpine Club, the Botanical Club, also a Committee for weather reports, as influencing vegetation in Scotland.

Communications.—Members may submit to the Society papers and communications approved by Council. A fasciculus of *Transactions* published yearly. In addition, the Society is now issuing an important work *On the Hepaticæ of the Amazon and Andes.*

EDINBURGH NATURALISTS' FIELD CLUB,

320 LEITH WALK.

No information.

BANFFSHIRE FIELD CLUB & SCIENTIFIC SOCIETY.

(FOUNDED 1880.)

Officers.—*President:* Rev. Walter Gregor.
Treasurer: G. M. Hossack. *Secretary:* J. Yeats.

Objects.—Cultivation of archæology, geology, and natural science (especially in the district).

Offices.—Address the Secretary, 6 Castle Street, Banff.

Meetings on third Thursday in each month of winter session, for reading of papers. Excursions to localities of interest during the summer.

Membership.—Election by nomination and ballot. Annual subscription, 5s.

Communications must be accepted by the Council before reading, and are subsequently published in the *Proceedings.*

DALKEITH ORNITHOLOGICAL SOCIETY.

No information.

EAST OF SCOTLAND UNION OF NATURALISTS' SOCIETIES. (Founded 1884.)

Officers.—*President:* Dr F. Buchanan White, F.L.S.
Secretary: Frank W. Young, F.R.S.E., F.C.S.

Objects.—Promotion of joint action in scientific work, and uniform publication of results.

Offices.—Apply to the Secretary, High School of Dundee.

Meetings.—Annual meeting at some town within the Union, when papers will be read.

Membership.—Subscriptions paid by the affiliated societies. Number of members, 1310.

Communications.—*Transactions* published from time to time. The Council determine what papers shall be published, and appoint an editor annually.

The following are the Societies at present incorporated in above Union:—Aberdeen Natural History Society, Alford Field Club and Scientific Society, Arbroath Horticultural and Natural History Association, Dundee Naturalists' Society, Dundee Naturalists' Field Club, Kirkcaldy Naturalists' Society, Largo Field Naturalists' Society, Montrose Natural History and Antiquarian Society, Montrose Scientific and Field Club, Perthshire Society of Natural Science.

GLASGOW ROYAL BOTANIC INSTITUTION.

(Incorporated by Royal Charter 1818.)

Officers.—*President:* William Connal.
Treasurer and *Secretary:* Alexander Sloan, C.A., 140 Hope Street.

Objects.—Furtherance of botanical and horticultural interests. The Institution maintains the Glasgow Botanic Garden, and gives facilities to the Professor of Botany, Glasgow University, for holding classes, &c.

GLASGOW NATURAL HISTORY SOCIETY.

(Founded 1851.)

Officers.—*President:* James Stirton, M.D., F.R.C.S., F.L.S.
Secretary: D. A. Boyd.

Objects.—(*a*) To encourage the pursuit of natural history in all its branches, (*b*) practical study and mutual help, (*c*) to form a library.

Offices.—At 207 Bath Street, Glasgow. The library contains 1000 vols. of scientific literature, Transactions of Societies, &c.

Meetings.—September to April, on the last Tuesday in each month; May to September, fortnightly; at which papers and reports are read, specimens exhibited, and additions to the fauna and flora of the district recorded. Excursions (11) are made during the summer and autumn months.

Membership.—The Society comprises (1) honorary members, nominated by the Council, (2) corresponding members, and (3) members, who pay on election 10s. entrance fee and 5s. annually, or a life composition of £5, 5s. Candidates are recommended by three members, one of them from personal knowledge. Number on the roll, 284.

Committees.—For editing the *Proceedings* of the Society (illustrated), issued annually in parts. The Society has published also separate lists of the fauna and flora of Scotland.

GREENOCK NATURAL HISTORY SOCIETY.

Officers.—*President:* W. J. Marshall, M.D.
Treasurer: G. H. Black. *Secretary:* Thomas Scott.

Meetings held at the Watt Institution, containing museum and library.

Membership.—Number of members, 33.

KIRKCALDY NATURALISTS' SOCIETY.

(FOUNDED 1882.)

Officers.—*President:* John Sang, C.E.
Treasurer: John Kintrea. *Secretary:* William D. Sang, C.E.

Objects.—To promote the study of natural science, &c.

Offices.—No. 9 Tolbooth Street, Kirkcaldy.

Meetings.—Meetings held fortnightly from October to April, in the Burgh School, Kirkcaldy. Excursions, botanical and geological, held fortnightly from April to October.

Membership.—Election by ballot. Subscription, 5s.; life composition, £2, 10s. Number of members, 138.

EAST LOTHIAN ORNITHOLOGICAL SOCIETY, HADDINGTON.

No information.

EAST LOTHIAN NATURALISTS' CLUB, HADDINGTON.

No information.

ORKNEY NATURAL HISTORY SOCIETY.

(FOUNDED 1843.)

Officers.—*President:* Rev. Charles Clouston, LL.D. *Secretary:* James Kitchie.

Objects.—To facilitate the study of the geology of Orkney and the various branches of natural history, and to form a museum.

Offices.—The Society has a museum of all specimens found in Orkney.

Membership.—Annual subscription, 2s. per annum. Number of members, 30.

PERTHSHIRE SOCIETY OF NATURAL SCIENCE.

(FOUNDED MARCH 1867.)

Officers.—*President:* Dr Buchanan White, F.L.S.
Honorary Secretary: John Young, C.E.

Objects.—To promote the study of natural science (especially the natural history of Perthshire and the basin of the Tay).

Offices.—At the Perthshire Natural History Museum, Tay Street, Perth. The building includes the museum (which the Society erected), lecture-room, laboratory, reading-room, and the library (of 400 to 500 books for reference, in addition to a collection and lending library). The museum is open free on four days in the week, and the reading-room to members every week day.

Meetings are held during the session (November to May) usually on the first Thursday in the month, at 8 P.M., when specimens are exhibited, and papers read and discussed. There are also occasional courses of lectures, and classes for

instruction in microscopy, &c. In the summer months excursions are made. To inaugurate the opening of the new Museum (1883) there was a conversazione lasting three days.

Membership.—Four classes of members. Ordinary members, who pay 2s. 6d. entrance fee and 5s. 6d. annually; and associates, corresponding and honorary members, who pay nothing. Number of members, 325

IRELAND.

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

(FOUNDED 1831.)

Officers.—*President:* Sir J. Lentaigne, C.B. *Treasurer:* T. M. Hutton. *Secretary:* The Rev. S. Houghton, M.D., The Gardens, Phœnix Park.

DUBLIN MICROSCOPICAL CLUB.

Officer.—*Hon. Secretary:* W. Archer, F.R.S., National Library, Kildare Street, Dublin.

UNIVERSITY BIOLOGICAL ASSOCIATION, DUBLIN.

(FOUNDED 1879.)

Officers.—*President:* Walter George Smith, M.D. *Treasurer:* Henry T. Bewley. *Secretaries:* Edgar Hogben and H. H. Fleming.

Objects.—To encourage original investigation in biology, including pathology, therapeutics, and all the allied sciences.

Meetings held on every alternate Thursday, from November to May, in the New Buildings, Trinity College, Dublin.

Membership.—All persons taking an interest in natural science or medicine are eligible for membership, but the officers are chosen exclusively from members of the University. Number of members at present, 60.

BELFAST NATURALISTS' FIELD CLUB.

No information.

SECTION VI.

ECONOMIC SCIENCE AND STATISTICS.

LONDON.

NATIONAL ASSOCIATION FOR THE PROMOTION OF SOCIAL SCIENCE.

(*This was founded in* 1857, *and with it was united, in* 1864, *the "Society for Promoting the Amendment of the Law."*)

Officers.—*President:* Sir Richard Temple, Bart., G.C.S.I. *Presidents of Departments:* Jurisprudence, Wm. Barber, Q.C.; Repression of Crime, C. Howard Vincent; Education, F. S. Powell; Economy and Trade, J. E. Thorold Rogers, M.P.; Health, T. Pridgin Teale; Art, Sir Rupert Kettle. *Treasurer:* Joseph Brown, Q.C. *Foreign Secretary:* John Westlake, Q.C. *Secretary:* J. L. Clifford Smith.

Objects.—"To aid the development of social science, to spread a knowledge of the principles of jurisprudence, and to guide the public mind to the best practical means of promoting amendment of the law, the advancement of education, the prevention and repression of crime, the reformation of criminals, the adoption of sanitary regulations, the diffusion of sound principles on questions of economy and trade, and the cultivation of a high standard of taste in all ranks of the nation. The Association aims to bring together the various societies and individuals who are engaged or interested in furthering these objects; and, without trenching upon independent exertions, seeks to elicit by discussion the real elements of truth, to clear up doubts, to harmonise discordant opinions, and to afford a common ground for the interchange of trustworthy information on the great social problems of the day."

Offices.—1 Adam Street, Adelphi, W.C. Hours, 10 to 4.

Meetings.—An annual congress, held in various parts of the kingdom; also occasional evening meetings at the rooms in London.

Membership.—Subscription, £2, 2s.; life composition, £21. A subscription of £1, 1s. gives admittance to the annual congress, and a copy of the *Transactions*, but not the *Proceedings*.

Committees on (1) International and Municipal Law, (2) Repression of Crime, (3) Education, (4) Health, (5) Economy and Trade, (6) Art.

Communications.—Papers must be sent to the Secretary; a short abstract should accompany each paper. The Council reserve the right of abridging or refusing any papers that may be sent in. No published paper can be read, nor can any paper be published by the author previous to the appearance of the *Transactions*.

Victoria University, Manchester, for the best essay in Political Economy; a silver medal annually to the most proficient student of Political Economy in the Universities of Calcutta, Bombay, Madras, Sydney, Melbourne, Harvard, U.S.A., Yale College, U.S.A., Williams College, U.S.A., and the London International College; also many minor prizes to local institutions. They correspond with many Libraries and Associations in the United Kingdom, the colonies, and abroad.

ASCHAM SOCIETY.

(FOUNDED 1879.)

Officers.—*President:* James Anthony Froude, F.R.S.
Hon. Secretary and *Treasurer:* Fred. Pope.

Objects.—(1) To promote social intercourse among persons engaged in educational work; (2) to provide a reading room and a library of professional and other works for the use of members of the Society; (3) to hold meetings for the discussion of questions affecting the improvement of educational methods; and (4) to render available for educational help the numerous museums and institutions which are suitable for this purpose.

Offices.—At 18 Baker Street, W. The library of about 800 vols., chiefly educational, is open to members on Wednesday evenings between 7 and 9 P.M.

Meetings.—During the session meetings are held every alternate Wednesday, at 8 P.M., for the discussion of educational topics. Visitors may attend.

Membership.—Persons engaged or interested in educational work are eligible for members; subscription one guinea. There are 37 honorary members. Men of eminence in science, literature, and art are eligible as honorary members. Number of members about 180.

Committees.—The subject at present engaging the Society's attention is the preparation of an Education Bill upon the model of the Medical Act (21 and 22 Vic. c. 90), with the object that persons who have not passed "certain examinations, and hold a diploma as evidence of their having done so," shall be disqualified to recover in a court of law fees for educational work, with the proviso that at the prospective date of the passing of such Act all *bona fide* teachers may register themselves as duly qualified. It is proposed in the first instance to invite the opinion of the profession on the draught of the Bill.

Communications.—Suggestions on educational subjects received.

LONDON DIALECTICAL SOCIETY.

(FOUNDED IN 1865.)

Officers.—*President:* W. A. Hunter, M.A., LL.D.
Treasurer: C. R. Drysdale, M.D., M.R.C.P. *Secretary:* Robert G. Hember.

Objects.—The philosophical discussion of social, political, and theological questions.

Offices.—Grosvenor Gallery, New Bond Street, W.

Meetings.—First and third Wednesdays in each month, from October to July inclusive.

Membership.—Candidates elected by ballot. Subscription, 10s. 6d. Number of members, 130.

Communications.—Special papers are published from time to time.

EAST INDIA ASSOCIATION.

(FOUNDED 1866.)

Officers.—*President:* Sir Richard Temple, Bart., G.C.S.I., C.I.E. *Chairman of Council:* General Sir Orfeur Cavenagh, K.C.S.I. *Secretary:* Walter Hamilton Burn.

Objects.—The independent and disinterested advocacy and promotion, by all legitimate means, of the public interests and welfare of the inhabitants of India generally.

Offices.—26 Charing Cross, S.W. Hours, 10.30 to 4.30; Saturdays, 10.30 to 1.

Meetings.—Uncertain.

Membership.—Yearly subscription, £1, 5s.; life subscription, £14.

Communications.—Lectures to be submitted to the Council.

COUNTRY.

MANCHESTER STATISTICAL SOCIETY.

(FOUNDED 1833.)

Officers.—*President:* John Slagg, M.P.

Treasurer: W. E. A. Axon. *Secretaries:* F. E. M. Beardsall and G. H. Pownall.

Objects.—To collect facts illustrative of the condition of society, and discuss subjects of social and political economy, totally excluding party politics.

Offices.—Library of about 500 vols., deposited as a separate section of the Manchester Free Library, King Street. Members may borrow books. Address 44 Brown Street, Manchester.

Meetings.—The second Wednesday in each month, from October to June, at the Memorial Hall, Albert Square.

Membership.—Candidates must be proposed by two members, from personal knowledge. Ordinary members pay entrance fee of 10s. 6d. and subscription of 10s. 6d., corresponding members pay no subscription. Number of members, 210.

Communications.—All papers to be submitted, and if read before the Society to remain its property.

SCOTLAND.

ACTUARIAL SOCIETY OF EDINBURGH.

(FOUNDED 1859.)

Officers.—*President:* James Meikle.

Treasurer: Gordon Douglas. *Secretary:* James Graham.

Objects.—(1) To promote the study of the principles of life assurance, and of assurance against other contingencies; (2) To consider all subjects to which the doctrine of probabilities may be applied, as well as of the best methods of collect-

ing and applying vital statistics; and (3) To consider questions bearing on social science or political economy.

Offices.—Apply to the Secretary, 22 George Street, Edinburgh.

Meetings.—First Thursday of each month, from November to May.

Membership.—Applicants must be connected with an Assurance Company in Edinburgh, or engaged in the profession of an actuary or accountant, and be recommended by two members and then balloted for. Admission fee, 2s. 6d.; annual subscription, 2s. 6d. Number of members, 159.

Communications on subjects relating to the objects of the Society are received, and if approved are published in the *Transactions*.

EDINBURGH DIALECTIC SOCIETY.

Secretary: G. G. Smith. No information.

IRELAND.

SOCIAL AND STATISTICAL SOCIETY OF IRELAND.

(FOUNDED 1847.)

Officers.—*President:* Lord Monteagle. *Treasurer:* John Beveridge (town clerk, Dublin). *General Secretaries:* Constantine Molloy, Q.C., 70 Lower Gardiner Street, Dublin; Joseph T. Prim, 22 William Street; William F. Bailey, B.L., 175 Strand Road, Merrion.

Object.—The promotion of the study of statistics, jurisprudence, and social and economic science.

Offices.—The place of meeting is the Leinster Hall, 35 Molesworth Street, Dublin.

Meetings are held in each month, from November to June (except March) inclusive, at 7.45 P.M., for the reading and discussion of written communications.

Membership.—Proposals of candidates to be sent to the General Secretaries at least a fortnight before the meeting. Subscription, £1 per annum for members. Ladies, and persons joining for one section and resident beyond 15 miles from Dublin, are admissible as associates at a subscription of 10s. Number of members about 250.

Committees of select members deal with communications on particular subjects.

Communications should be sent to one of the General Secretaries, who must certify that he considers it within the rules and general scope of the Society. The Council decide in each case on the form of publication.

SECTION VII.

MECHANICAL SCIENCE & ARCHITECTURE.

LONDON.

INSTITUTION OF CIVIL ENGINEERS.

Officers.—*President:* Sir Joseph W. Bazalgette, C.B.
Treasurer: Hugh Lindsay Antrobus. *Secretary:* James Forrest.

History.—This Institution was established on the 2nd of January 1818. The presidency was offered to, and accepted by, Thomas Telford in March 1820. Through his instrumentality a Royal Charter of Incorporation was granted on the 3rd of June 1828. In the purposes of that Charter, Thomas Tredgold, at the request of the Council, drew up a description of civil engineering, and his words were subsequently embodied in the Charter, as follows:—"The art of directing the Great Sources of Power in Nature for the use and convenience of man, as the means of production and of traffic in states both for external and internal trade, as applied in the construction of roads, bridges, aqueducts, canals, river navigation and docks, for internal intercourse and exchange, and in the construction of ports, harbours, moles, breakwaters and lighthouses, and in the art of navigation by artificial power for the purposes of commerce, and in the construction and adaptation of machinery, and in the drainage of cities and towns." He pointed out that the scope and utility of civil engineering would be increased with every discovery in philosophy, and its resources with every invention in mechanical or chemical art. The Institution is one of the most successful and prosperous scientific Societies in respect to its financial position, and to the professional knowledge diffused by its agency and publications.

Objects.—The general advancement of Mechanical Science, and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil (*i.e.*, Civilian) Engineer.

Offices.—25 Great George Street, Westminster, S.W., where are the meeting-hall, the reading-room, and the library, the latter containing about 19,000 vols. fully catalogued. Open on week days, 9.30 A.M. to 5.30 P.M.

Meetings during the session, from the second Tuesday in November until the last Tuesday in May, at 8 P.M., for the reading and discussion of papers on engineering subjects. Each corporate member is entitled to introduce one visitor to every ordinary meeting.

Membership.—The Institution comprises four classes. Persons eligible as members must have been regularly educated as civil engineers, and have had subsequent employment for at least five years in responsible situations, as resident engineer or otherwise, of adequately important works. Associate members must have been regularly educated and be practising as civil engineers. Associates are not civil engineers by profession, but their pursuits constitute branches of engineering. Honorary members are distinguished individuals not

practising as engineers in the United Kingdom. Every candidate for election as a member, an associate, or an honorary member, must be proposed by six or more corporate members from personal knowledge, and the Council determine the class for which he is presented for ballot. A class of Students is attached to the Institution. Candidates must be the pupils of corporate members of the Institution, have the object of becoming a civil engineer, and may remain a "student" at and during the pleasure of the Council until he attains twenty-six years of age.

Contributions to the Funds.—The following Table shows the rates of Annual Subscriptions—those persons being considered Residents whose office or residence is within ten miles of the General Post Office, London :—

	Member.	Associate.	Student.
	£. s. d.	£. s. d.	£. s. d.
Resident, ...	4 4 0	3 3 0	2 2 0
Non-resident, ...	3 3 0	2 12 6	1 11 6

Every new member and associate is required to pay an admission fee of £10, 10s. The roll of the Institution at close of 1883 shows—honorary members, 20 ; members, 1381 ; associate members, 1751 ; associates, 513 ; students, 778 ; total, 4443.

The Council has power to grant the free use of the lecture-hall and rooms of the Institution to other societies dealing with branches of engineering, for their occasional meetings ; and the students have special meetings during the session for the reading and discussion of papers.

Communications.—Papers read at meetings of other societies or already published may not be read at a meeting of the Institution, and are inadmissible in competition for premiums. Every paper, drawing, or model presented to the Institution becomes its property, and may only be published in such way and at such time as the Council thinks proper.

Essays must be written in the third person, be prefaced with an abstract not exceeding 1500 words in length, and be accompanied by the necessary drawings on tracing paper, ready to be engraved. When an illustrated paper has been accepted, wall-diagrams clearly visible from a distance of 60 feet must be provided ; these are returned. Four volumes of *Minutes of Proceedings* are issued annually.

The Council awards premiums from special funds bequeathed for the purpose, the aggregate income of these funds being £436 per annum. In 1883 there were five recipients of the Telford medal and premium, seventeen recipients of the Telford premium, and one of the Manby premium ; five Miller prizes were also awarded. There is a Howard prize awarded every five years, the last to Sir William Siemens in 1882. Except the Miller and Howard bequests, which are limited by the donors (the Miller for competition by students of the Institution, and the Howard for members, graduates, and associates only), all other prizes are open to every person, whether native or foreign.

INSTITUTION OF MECHANICAL ENGINEERS.

(*Founded at Birmingham*, 1847; *first President, George Stephenson ; removed to London*, 1877 ; *registered under Companies' Act*, 1878.)

Officers.—*President :* I. Lowthian Bell, F.R.S.
Treasurer : Thomas Druitt. *Secretary :* Alfred Bache.

Objects.—(*a*) To promote the science of mechanical engineering and all branches of mechanical construction, and to give an impulse to inventions likely

to be useful to the members of the Institution and to the community at large. (*b*) To enable mechanical engineers to meet and to correspond, and to facilitate the interchange of ideas respecting improvements in the various branches of mechanical science, and the publication and communication of information on such subjects.

Offices.—10 Victoria Chambers, Victoria Street, Westminister, S.W., containing a news room, with the daily papers, periodical and technical journals, maps, directories, and convenience for correspondence; also a library, with about 3000 vols., chiefly technical, and Transactions of various Societies. An alphabetical and subject-matter index is published and kept up to date. Office hours are from 9.30 A.M. to 5.30 P.M., on Saturday to 2.30 P.M.

Meetings.—The Institution holds its meetings quarterly, either in London (at the house of the Institution of Civil Engineers, 25 Great George Street, Westminster), or at some important provincial centre. The summer meeting, at some industrial centre, lasts five days. Visitors introduced by a member may attend the meetings, and join in the discussion of papers, but are not admitted to the summer excursions.

Membership.—The Institution comprises (1) honorary life members, nominated by the Council; (2) members, who pay on election an entrance fee of £2, and an annual subscription of £3; (3) associates, who pay the same; (4) graduates who pay an entrance fee of £1, and subscription of £2. Candidates must be proposed (from personal knowledge) by five members in the case of members and associates, and three in the case of graduates. A ballot list of candidates for election as officers is posted to the members, and the result declared at the annual general meeting in January. Members are also elected in the same manner at each quarterly meeting. Number of members, 1440.

Committees.—The Institution appoints committees for research on mechanical subjects, and defrays the cost of experiments. Those at present nominated are engaged with "the hardening, tempering, and annealing of steel"—"riveted joints"—"friction at high velocities." Records of experiments on mechanical subjects approved by the Council, are accepted for publication.

Communications to be read at the meetings, are submitted to the Council for acceptance; they must be written in the impersonal pronoun, and accompanied with explanatory wall-diagrams; which are afterwards reduced for publication. The papers and wall-diagrams remain the property of the Institution; and the author can have the assistance of the Secretary and Draughtsman in their preparation. Advance proofs are issued to members applying for them. The papers are published in full, with abstract of discussions, in the *Proceedings* of the Institution, issued in quarterly parts, and forming an 8vo volume. Any part can be obtained at the Office.

CIVIL AND MECHANICAL ENGINEERS' SOCIETY.

(FOUNDED 1859.)

Officers.—*President:* R. Harkness Twigg, M.I.C.E.

Treasurer: Wm. C. Street, A.R.I.B.A. *Secretary:* G. A. Pryce Cuxson, A.R.I.B.A.

Objects.—To discuss scientific subjects, especially those connected with engineering.

Offices.—7 Westminister Chambers, Victoria Street, S.W.

Meetings held on Wednesdays between (fixed dates) December and June. Members may introduce two friends to each ordinary meeting.

Membership.—Candidates must be engaged in engineering or kindred pursuits, and proposed by one member from personal knowledge, recommended by two others, and elected by ballot. Entrance fee for members is 10s. 6d.; subscription, £1, 1s.

Communications.—All papers read become the property of the Society, also drawings illustrating the same, unless the contrary be stated upon delivery.

THE SOCIETY OF ENGINEERS.

(FOUNDED 1854.)

Officers.—*President:* Arthur Rigg.

Treasurer: Alfred Williams. *Secretary:* Bartholomew Reed.

Objects.—The advancement of engineering science and practice.

Offices.—6 Westminster Chambers, S.W.

Meetings.—On the first Monday in each month, from October to June, 7.30 P.M., at the Town Hall, Caxton Street, Westminster.

Membership.—Members are gentlemen professionally engaged in engineering and above 25 years of age. Associates are junior engineers and gentlemen whose pursuits constitute branches of engineering. Honorary members are gentlemen of distinguished attainments nominated by the Council; members and associates are proposed by 4 members or associates, and balloted for at an ordinary meeting. Total number of members 386.

Lectures on subjects connected with engineering are given at times and places which may be appointed.

Communications must be forwarded to the Secretary for acceptance by the Council. The Society have the right of publishing the papers, but authors are entitled to 50 copies. Premiums not exceeding £20 are given for the best paper, at the discretion of the Council.

SOCIETY OF TELEGRAPH ENGINEERS AND ELECTRICIANS.

(*Founded* 1871, *by the late Sir William Siemens and others; registered* 1883.)

Officers.—*President:* Prof. W. Gryll Adams, F.R.S.

Treasurer: E. Graves. *Hon. Secretary:* Col. F. Bolton. *Secretary:* F. H. Webb.

Objects.—To promote the general advancement of electrical and telegraphic science and its application, and to facilitate the exchange of information and ideas on these subjects amongst the members of the Society and otherwise, and for this purpose to hold meetings, to promote exhibition of apparatus, &c., to publish *Proceedings*, Reports, &c., and to make grants of money, books &c., for the promotion of invention and research in the above science.

Offices.—4 Sanctuary, Westminister. Hours, 10 to 5. The Ronalds Library, of which the Society are trustees, is open to the public from 11 A.M. to 8 P.M., except on Thursday; on Saturday it closes at 2 P.M. It contains 3000 vols. and 7000 pamphlets, mainly on electrical subjects.

Meetings held from November to June, on alternate Wednesdays, at 8 P.M., at the Institution of Civil Engineers.

Membership.—Members must be practical telegraph engineers or electricians, or intimately associated with electrical and telegraphic science. Associates must be connected with electric or telegraphic science. Foreign members the same, but must be residing abroad. Students must be between eighteen and twenty-one,

and engaged in the study of electrical science. Honorary members are distinguished persons, intimately connected with the science, but not professionally. These are elected by the Council, but not more than one each year. All other candidates are proposed and seconded by members, approved by the Council, and elected at a general meeting. Subscription—Member's entrance fee, £2, 2s., subscription, £2, 2s., life composition, £21; associates or foreign member's entrance fee, £1, 1s.; subscription, associate, £1, 1s., foreign members, £1; life composition, £10; student's subscription, 10s. 6d.

Communications must be sent to the Secretary, and submitted to the Council before being accepted. They are then published in the *Journal*, under the control of the Editing Committee.

SURVEYORS' INSTITUTION.

(FOUNDED 1868, INCORPORATED BY ROYAL CHARTER 26TH AUGUST 1881.)

Officers.—*President:* Thomas G. Woolley. *Secretary:* Julian C. Rogers.

Object.—(1) To secure the advancement of that knowledge which constitutes the profession of a surveyor, viz., the art of determining the value of all descriptions of landed and house property, and of the various interests therein, the practice of managing and developing estates, and the science of admeasuring and delineating the physical features of the earth, and of measuring and estimating artificers' work. (2) To promote the general interests of the profession, and to maintain and extend its usefulness for the public advantage.

Offices at 12 Great George Street, Westminster. A reading-room and reference library of about 3000 vols., which includes all the professional text-books and an important topographical collection. Books are not lent.

Meetings.—The session is from the second Monday in November to end of May. Thirteen meetings are held, on alternate Mondays, at 8 P.M., and professional papers contributed by members are then read and discussed. Visitors introduced by a member may attend.

Membership.—The Institution comprises fellows who pay an entrance of £8, 8s. and £3, 3s. annually; professional associates and associates, who pay an entrance fee of £5, 5s. and £2, 2s. annually. Honorary members are exempt from payment, and a class of students is attached to the Institution. Fellows and professional associates must be professionally qualified, and have had business connections for a fixed period. An associate is not a surveyor by profession, but is qualified to concur with surveyors in the advancement of professional knowledge. An honorary member is a person eminent in position, who can assist in promoting the objects of the Institution, but not practising as a surveyor in Great Britain or Ireland, and is privileged only to attend meetings and have access to the library. Member's certificates are renewable annually. The number on the roll is about 1200.

Examinations.—In accordance with the Charter, a scheme of education and syllabus of objects recommended to candidates for admission has been elaborated. A scale of fees payable by candidates who propose to compete at the periodical examinations is published, and certificates and money prizes are awarded for distinguished proficiency. The Institution is also trustee for the disposal of money bequeathed to promote this object. It is only by exceptional dispensation, that professional associates are enrolled who have not passed the test examinations. Students' preliminary examinations are held in January, and the professional examinations for fellows and professional associates in April of each year.

Communications, contributed by non-members at the special invitation of the Council, are occasionally read. All papers read, with the ensuing discussion, are published, and form an annual 8vo vol.

ROYAL INSTITUTION OF BRITISH ARCHITECTS.

(FOUNDED 1834, INCORPORATED BY ROYAL CHARTER 1837.)

Officers.—*President:* Horace Jones.

Hon. Secretary: John Macvicar Anderson. *Secretary:* William Henry White.

Objects.—The general advancement of civil architecture—(*a*) by promoting and facilitating the aquirement of knowledge in the various arts and sciences connected therewith, (*b*) the formation of a library, (*c*) establishing correspondence with individuals and Societies having the same objects, (*d*) prosecuting inquiries in furtherance of the professional interests of architects, (*e*) formulating rules to establish a uniformity of practical and professional etiquette, the observance of which is obligatory in the case of members.

Offices.—9 Conduit Street, Hanover Square, London, W., containing reading-room and the reference library. Books in a subsidiary collection may be borrowed. The library is open during the week from 10 A.M. to 9 P.M., and the office from 10 A.M. to 4 P.M. Both close at 2 P.M. on Saturdays and during the whole of September.

Meetings for the reading and discussion of papers are held at the Society's rooms, during the session November to June, on alternate Monday evenings, at 8 P.M.

Membership.—Professional members are fellows or associates. Fellows must have been engaged as principals for at least seven successive years in the practice of architecture. Associates must be engaged in the study or practice of architecture, and be more than twenty-one years of age. Honorary fellows and honorary associates must be unconnected with building as a trade or business. Every candidate for membership must be recommended by three fellows from personal knowledge. Professional fellows pay £5, 5s. entrance fee, or £2, 2s. if elected being an associate, and £4, 4s. annually. Professional associates pay £3, 3s. entrance fee, and £2, 2s. annually. Honorary fellows make no payment, but honorary associates contribute £2, 2s. as an donation to the library. The total number of members on 1st November 1883 was 1272.

Committees.—The business of the Institution is divided by the appointment of examining boards, (*a*) on architecture, constituted under the provisions of the Metropolitan Building Act, and (*b*) of select committees (1) on the law of light and air as it affects buildings, (2) on the conservation of ancient monuments and remains, (3) on medals and prizes, (4) for professional practice ; and the programme of the examinations is sent gratis and post free on application, but the questions set are not published.

Communications.—Papers read at the meetings, with discussion in abstract, are published in the *Proceedings* of the Institution, issued fortnightly during the session, and in the annual volume of the *Transactions* issued in October.

ARCHITECTURAL ASSOCIATION, LONDON.

Officers.—*President:* Cole A. Adams, F.R.I. *Hon. Treasurers:* J. Douglass Mathews and A. Conder. *Hon. Secretaries:* W. H. Atkin Berry and Herbert D. Appleton.

Objects.—To promote friendly intercourse among the younger members of the architectural profession, and efficient study in fellowship of matters affecting their common pursuits.

Offices.—9 Conduit Street, W. Hours, 11 to 3 daily. Library of 1200 vols.

Meetings fortnightly, from October to the end of May, at 7.30 P.M., when papers are read. Visitors may be introduced by members.

Membership.—Members must be engaged professionally in the study or practice of architecture, or (subject to the Committee) in the various arts and sciences connected therewith. Special arrangements are made for the advantage of country members, and members of country Societies admitted as branches. Nominations take place at the first ordinary meeting in each month, election at the next. Entrance fee, £1, 1s.; subscription, 10s. 6d. Names of country Societies given below.

Associations.	Founded.	Hon. Secretary.	Address.	Ordinary Members.	Subscription.	Honorary Members.	Life Subscription.	Meetings Held.
Birmingham, .	1874	T. W. Cross.	Queen's Coll.	30	15s.	25, £1, 1s.	...	Oct.–June.
Edinburgh, .	1858	J. Fairbairn.	20 George St.	235	10s.	App. 5s.	£5, 5s. £10, 10s.	Oct.–May.
Exeter (Society)	1843	J. L. Fulford.	...	...	£1, 1s.	...	...	...
Glasgow, . .	...	W. MacLean.	81 Bath St.	49	10s.	Entry, £10.	...	Monthly.
Leeds (Society).	1876	G. B. Bulmer.	Albion St.	100	£1, 1s.	10s. 6d.	...	Nov.–April.
Leicestershire, .	1855	G. C. Bellairs.	Leicester.	...	10s.	...	...	Fortnightly.
Liverpool, . .	1848	J. W. Hornblower.	Royal Instit.	...	£1, 1s.	10s. 6d.	10s. 6d.	Oct.–May.
Manchester, .	1875	J. Brook.	Oldtown Hall.	48	10s. 6d.	9, £1, 1s.	...	Oct.–March.
„ (Society)	1865	J. Holden.	Royal Instit.	28	10s. 6d.	...	...	Quarterly.
Northern, . .	1858	W. H. Dunn.	Old Castle, N.-on-Tyne.	10	5s.	10, 5s.	...	Quarterly.
Oxford (Society)	1837	J. S. Pulling.	...	...	5s.	...	...	In term.

Lectures are given at 6.30 on Friday evenings, immediately preceding the classes of design and construction; fee 7s. 6d. A *Sketch Book* is published by the Society—subscription, £1, 1s.

AERONAUTICAL SOCIETY OF GREAT BRITAIN.

(*Founded January* 1866, *at a Meeting convened at the Residence of the Duke of Argyll.*)

Officers.—*President:* The Duke of Argyll, F.R.S., &c.
Hon. Secretary: Fred. W. Brearey.

Objects.—The investigation of all matters relating to aerology, with a view to making it subservient to locomotion in the way of support, whether by levity or gravity.

Offices.—Apply to the Hon. Secretary, Maidenstone Hill, Blackheath. He is the custodian of the nucleus of a library of books, exclusively on aeronautics, which are lent to members.

Meetings.—The annual general meeting is held at the house of the Society of Arts about June, at which papers are read and discussed and models exhibited. Members are advertised of the time and place of occasional meetings.

Membership.—Accepted candidates for membership pay an annual subscription of 21s. Members enrolled, about 100.

Communications are received for publication at the option of the Society.

COUNTRY.

BIRMINGHAM ARCHITECTURAL ASSOCIATION.

Officers.—*President:* J. J. Bateman. *Treasurer:* A. Reading.
Hon. Secretary: F. W. Franklin Cross, 14A Temple Row, Birmingham.

Objects.—Promotion of the study of architecture.

Offices.—Queen's College, Birmingham, where there are a library, and classes for Design, Construction, Water-Colours, History of Architecture, and Quantities in estimating.

Meetings.—Ordinary meetings fortnightly, on Tuesdays, at 7.30 P.M., for reading of papers, &c., from November to June. Meetings of classes according to syllabus. Excursions are arranged to see works in progress, for sketching, &c. Visitors may attend the meetings.

Membership.—Candidates must be engaged professionally in the study or practice of architecture, or interested in the arts and sciences connected therewith. They are proposed by two members at one ordinary meeting, and elected at the next. Entrance fee, 10s. 6d.; subscription, 15s. Honorary members are also admitted, who do not participate in the advantages of the arrangement with the Architectural Association of London. Subscription, £1, 1s. Prizes are given for essays on various subjects, or for designs.

Communications must be approved by the Council, for reading and discussion.

CHESTERFIELD AND DERBYSHIRE INSTITUTE OF MINING CIVIL AND MECHANICAL ENGINEERS.

Officers.—*President:* Lord Edward Cavendish. *Treasurer:* E. Bromley.
Secretary: W. F. Howard, 13 Cavendish Street, Chesterfield.

Objects.—To enable members to meet together at fixed times, to discuss the means for the ventilation of coal and other mines, the winning and working o collieries and mines, the prevention of accidents, and the advancement of the sciences of mining and engineering, and of the useful arts generally.

Meetings.—Four ordinary general meetings in each year to be held in Chesterfield, unless elsewhere arranged for by the council, on the second Saturday in January, April, July, and October, at 2.30 P.M. Annual general meeting in June.

Membership.—1. Members to be persons practising as Mining, Civil, or Mechanical Engineers, and other persons connected with or interested in Mining and Engineering of whom the Council may approve. Entrance fee, £1, 10s.; subscription, £1, 11s. 6d.

2. Honorary members to be persons of whom although not technically qualified the Council may approve. Subscription as above. 3. Free honorary members to be persons who have distinguished themselves by their literary or scientific attainments, or who have made important communications to the Institute, Government Mining Inspectors during the term of their office, and other gentlemen whom the Council may consider eligible. Entrance fee, £1, 10s.; subscription, 10s. 6d.

CLEVELAND INSTITUTION OF ENGINEERS.

(FOUNDED 1864.)

Officers.—*President:* E. F. Jones. *Secretary:* Angus Macpherson, sen.

Objects.—(*a*) The furtherance of engineering in any of its applications, (*b*) promoting meetings for the reading and discussion of original papers, (*c*) publishing the *Proceedings* of the Institution.

Offices.—Address the Secretary (4 Milton Street, Middlesborough), who attends every Tuesday. The library is at present limited to exchanges of *Proceedings*.

Meetings.—Sixteen times during the session, November to October, in the Hall of the Literary and Philosophical Society, at 7.30 P.M. In the summer there are occasional visits to works.

Membership.—Mechanical, civil, or mining engineers, and other persons interested in the operations of the Institution, are eligible as members, and pay 21s. annually. Graduates are under twenty-one years of age, and pay 10s. 6d. annually. Number of members about 329.

Communications are submitted to the Council for approval. The authors of an accepted paper may not publish a copy or abstract without the consent of the Institution, but it is fully reported in the *Proceedings*.

CORNWALL MINING INSTITUTE.

Officers.—*President:* R. J. Trecheville.

Treasurer and *Secretary:* William Rich, junior.

Objects.—The considering, discussing, and recording of mining matters; inventions and improvements in the economical development of mines.

Offices.—Redruth.

Meetings monthly, except in summer.

Membership.—Members must be persons interested in mining. Subscription 10s. 6d. per annum. Number of members, 145.

Communications are subject to approval of President or one of Vice-Presidents, and published at discretion of Council.

CORNWALL AND DEVON MINERS' ASSOCIATION.

Officers.—*President:* Rev. St Aubyn H. Molesworth, M.A., St Aubyn.

Treasurer: W. M. Grylls. *Hon. Secretary:* Charles Twite, F.G.S., St Agnes, Scorrier. *Assistant Secretary:* William Rich, junior, Redruth.

Objects.—Mainly the promotion of scientific and technical education among miners.

Offices.—St Agnes and Redruth.

Meetings.—Annual general, to receive reports of lecturer and officers.

Membership.—Subscriptions are optional. Number of members, 80.

Communications are received and published, subject to approval of Council.

LIVERPOOL ENGINEERING SOCIETY.

(FOUNDED 1875.)

Officers.—*President:* F. B. Salmon.

Secretary and *Treasurer:* E. H. Allies, Green Lane, Tue Brook.

Meetings at Royal Institution, held on alternate Wednesdays.

Membership.—Subscription—residents, £1, 1s.; non-residents, 10s. 6d.; life composition £10, 10s. Number of members, 105.

MANCHESTER STEAM-USERS ASSOCIATION.

(FOUNDED 1854.)

Officers.—*President:* Hugh Mason, M.P. *Treasurer:* Manchester and Salford Bank. *Chief Engineer:* Lavington E. Fletcher. *Secretary:* Robert Tonge.

Objects.—The prevention of steam-boiler explosions, and the attainment of economy in the application of steam.

Offices.—9 Mount Street, Albert Square, Manchester. Hours, 9 to 6; Saturdays, 9 to 1.

Membership.—All owners or users of steam boilers, or those interested therein, may become full members by enrolling their boilers on the list for inspection, or corresponding members if they simply wish for access to the records, copies of engineer's reports and consultation with the chief engineer, &c. Subscription, £1, 11s. 6d. for each boiler enrolled, and £2, 2s. for a corresponding member. Steam engines may also be enrolled and inspected at £1, 11s. 6d. with a single cylinder, and £2, 12s. 6d. with two cylinders. The number of members is about 1600. The surplus funds are devoted to experimental researches, the investigation of boiler explosions, and the printing of monthly reports by the chief engineer, &c.

MIDLAND INSTITUTE OF MINING ENGINEERS,

BARNSLEY.

No information.

NORTH OF ENGLAND INSTITUTE OF MINING AND MECHANICAL ENGINEERS.

(FOUNDED 1852, INCORPORATED 1876.)

Officers.—*President:* George Baker Forster.
Secretary and *Treasurer:* Theo. Wood Bunning.

Objects.—(*a*) To prevent accidents in mines (especially coal-mines), (*b*) to advance the science of mining and engineering generally, (*c*) to acquire a library with records of every incident of mining progress throughout the world.

Offices.—Neville Hall, Newcastle-on-Tyne. A professional library of 5000 to 6000 vols., &c., includes a reference and loan collection.

Meetings in alternate months, Feb. to Dec., in the Wood Memorial Hall, Neville Street, Newcastle-on-Tyne. The annual meeting is in August. Occasional visits to works in progress (in 1883 to Channel Tunnel Works, Dover), and an annual excursion to a mining centre in Great Britain or abroad (in 1883 to Barrow and district).

Membership.—The Institute has patrons; honorary, original, ordinary, and associate members, students, and subscribing firms. Honorary members are eminent in literature or science, or have promoted the objects of the Institute; candidates for ordinary membership must be more than twenty-eight years of age, and qualified by pupilage and subsequent responsible employment, or have been five years in practice as mining or mechanical engineers; are proposed by at least six members, and elected by ballot, and pay an annual subscription of £3, 3s. Associates are mining or mechanical engineers in practice, or persons concurring in the objects of the Institute; they are proposed by three members, and pay £2, 2s. annually. Mining and engineering students are eligible until they are twenty-three years of age: subscription, £1, 1s. Subscribing firms pay a voluntary annual subscription. The number enrolled is 843.

Committees.—Experiments and research have been made in mine ventilation; to ascertain the reliability of safety lamps; into the causes of mine explosions, spontaneous combustion in coal seams and in cargoes; means to obviate falls of

"roof," and to secure efficiency in the "getting;" the underground haulage and winding of coal; and improved "cages," and their more careful use.

Communications addressed to the Council, if accepted for publication, become the property of the Institute, and when printed the author has twelve copies free.

NORTH STAFFORDSHIRE INSTITUTE OF ENGINEERS.

Officers.—*President:* John Strick. *Treasurer:* James G. Bakewell. *Secretary:* J. Richard Hames, F.G.S., Adderley Green Collieries, Stoke-on-Trent.

Membership.—Subscription for members, £1, 1s.; for students, 10s. 6d.

SOUTH STAFFORDSHIRE AND EAST WORCESTERSHIRE INSTITUTE OF MINING ENGINEERS.

(FOUNDED 1867.)

Officers.—*President:* Arthur Sopwith, M. Inst. C.E.

Treasurer: Richard Latham. *Secretary:* Alexander Smith, M. Inst. C.E.

Objects.—To enable its members, comprising mining and mechanical engineers, and other persons connected with or interested in mining, to meet together at fixed periods, and to discuss the means for the ventilation of coal and other mines, the winning and working of collieries and mines, the prevention of accidents, and the advancement of the sciences of mining and engineering generally.

Offices.—Mining Museum, Mechanics' Institute, Dudley. Secretary's office, 4 Burlington Chambers, New Street, Birmingham.

Meetings at 5.30 P.M., on first Monday in each month. Two excursions are made during the season.

Membership.—Subscription, £1, 1s. per annum, with £1, 1s. entrance fee. Number of members, 181.

Communications.—Papers are read and discussed, and experiments carried on upon subjects connected with mining.

SOUTH WALES INSTITUTE OF ENGINEERS.

(FOUNDED 1857, INCORPORATED 1881.)

Officers.—*President:* J. Colquhoun, F.G.S.

Secretary: Hort Huxham, F.G.S. M.I.C.E.

Objects.—To advance engineering science and practice, to prevent accidents in mines, to exchange information and ideas among its members, and to place on record the results of experience.

Offices at Cardiff. The Institute exchanges the *Transactions* with other Societies, and has acquired a small library.

Meetings.—The appointments for meetings in 1884 are March 20, July 17, November 20, for the reading and discussion of papers.

Membership.—Candidates are proposed, and elected by ballot. Entrance fee is 21s., the annual subscription 42s. The number of members is 240.

SCOTLAND.

INSTITUTION OF ENGINEERS AND SHIPBUILDERS IN SCOTLAND. (FOUNDED 1857.)

Officers.—*President:* Prof. James Thomson, C.E., LL.D., F.R.S. *Treasurer:* James M. Gale, C.E. *Secretary:* W. J. Millar, C.E.

Object.—The reading and discussion of papers.

Offices.—207 Bath Street. The library and reading-room are open daily for the use of members, associates, and graduates. Apply to the Secretary, 160 Wellington Street, Glasgow.

Meetings are held monthly, from October to April inclusive. Graduate section meetings also held monthly.

Membership.—Members shall be mechanical, civil, mining, military engineers, shipbuilders, and founders; associates shall be such as the Council consider qualified by knowledge bearing on engineering science or practice. Graduates shall be persons engaged in study or employment to qualify themselves as engineers or shipbuilders. Subscription—members, £1, 10s.; associates, £1; graduates, 10s. Number of members, 614.

Communications.—The papers read are published monthly.

THE MINING INSTITUTE OF SCOTLAND.

Founded 1878, *as the West of Scotland Mining Institute; alteration of name effected March* 1880.)

Officers.—*President:* James M'Creath, Glasgow. *Treasurer:* Michael Ross, Hamilton. *Secretary:* James Barrowman, Hamilton.

Objects.—To enable its members to meet together at fixed times to discuss the means for the ventilation of coal and other mines, the mining and working of collieries and mines, the prevention of accidents, and the advancement of the sciences of mining and engineering.

Offices.—Address the Secretary, at the rooms of the Institute, Hamilton, N.B The library has about 300 vols.

Meetings are held at Hamilton at intervals of six weeks throughout the year, at 6 P.M., for the reading and discussion of papers and general business. The August meeting is in some mining centre in Scotland. Visitors introduced by a member may attend meetings.

Membership.—The institute comprises ordinary, life, and honorary members. Honorary members are those approved by the Council, although not technically qualified. Life members have compounded for all future subscription by the payment of £10, 10s. in one sum, or on such conditions as the Council approve. Ordinary members are in practice as colliery managers, mining, civil, or mechanical engineers, or are approved by the Council because of their connection with or interest in mining and engineering. They are proposed by two ordinary or life members, and elected by ballot, and pay on election, and thereafter annually 10s. 6d., or 21s. if they are not actively engaged in mining. Number of members on the roll, 447.

Communications to be read at meetings must be approved by the Council. The copyright of all papers accepted for printing, and printed within twelve months, vests in the Institute.)

EDINBURGH ARCHITECTURAL ASSOCIATION.

(FOUNDED 1850.)

Officers.—*President:* David MacGibbon. *Hon. Secretary:* T. Fairbairn.

Objects.—The advancement of its members in all matters pertaining to the study of architecture, by means of essays, competitions or design, and such methods as the Association shall see fit.

Offices.—20 George Street, Edinburgh. The reading-room is open on week days, 10 A.M. to 9 P.M. Members may introduce a friend. The library of architectural works (250–300) is available to members for borrowing books.

Meetings from November to May, on alternate Wednesday evenings, at 8.30 P.M., for the reading and discussion of papers and other business; occasional intermediate meetings are summoned and special courses of lectures held; visits to localities of interest in Edinburgh, or its vicinity, take place on alternate Saturdays. The Association organised an architectural exhibition in the Royal National Galleries, Edinburgh, which opened on the 22nd December 1882.

Membership.—Gentlemen engaged or interested in the study of architecture, or connected with any of the collateral professions, are eligible. Candidates are nominated by two members, and their individual election decided by ballot. Subscription, 10s. annually, or for life, £5, 5s. Apprentice members pay 5s. annually. Number of members, 260.

Committees.—During the session classes are held on alternate Wednesday evenings, for design and for construction; the fee for both is, for members 5s., and for non-members 10s. 6d. The Sketch Book Committee has for its object the publication of "perspective and measured drawings of ancient civil and ecclesiastical buildings of Scotland, examples of their furniture and decoration, details of wood, metal, and plaster works," in vols. of fifty litho-plates (16 × 12, 14 × 9) the terms of subscription being, for members 10s. 6d., for non-members 21s.

Communications for the Sketch Book are submitted to the Convener for approval by the Committee.

GLASGOW INSTITUTE OF ARCHITECTS.

(INCORPORATED 1868.)

Officers.—*President:* James Thomson.

Treasurer: William Landless. *Secretary:* William M'Lean.

Objects.—The advancement of the art and science of architecture, the consideration and discussion of all subjects connected therewith, the elevation of the attainments, promotion of the efficiency, and protection of the interest of the architects of Glasgow.

Offices.—Apply to Secretary, 81 Bath Street, Glasgow.

Meetings.—On the third Tuesday in October, and at other times as business arises.

Membership.—Candidates must be architects in the city of Glasgow and elsewhere. They must have served six years at least with members of the Institute, or persons eligible to become such, or else must be members of other Architectural Societies. They must be proposed by two members, approved by the Council, and elected by the meeting. The Council may recommend honorary members to be approved at two successive meetings. Subscription, 5s. Number of members, 49. The Institute co-operates with the Royal Institute of British Architects in holding examinations in architecture in Glasgow. An annual summer excursion takes place.

IRELAND.

INSTITUTION OF CIVIL ENGINEERS OF IRELAND.

(FOUNDED 1835.)

Officers.—*President:* W. H. Mills. *Hon. Secretary:* Jno. Chaloner Smith.

Object.—To promote the acquisition of that species of knowledge which appertains to the professions of civil and mechanical engineers.

Offices.—At 35 Dawson Street, Dublin, where is the library, consisting principally of reports, papers, and the transactions of societies; it is open to members, but the loan of books is restricted.

Meetings.—During the session (November to May), on the first Wednesday in the month, at 8 P.M., for business, and the reading and discussion of papers. Visitors introduced by a member may attend.

Membership.—The Institution comprises:—(1) Honorary life members, nominated by the Council; (2) members, who pay on election £2, 2s. entrance fee, and £2, 2s. annually, or a life composition of £21; country members (all residing 20 miles from Dublin), £1, 11s. 6d.; (3) associates, who pay 21s. admission fee, and 21s. annually. Any member or associate going temporarily abroad, for at least two years, and giving notice of such intention, is upon his return, and resuming payment of the usual subscription, entitled to the rights of membership, but does not receive papers or transactions published during his absence. A candidate is proposed by a member, and has three or more seconders, two or more of them being members, and elected by ballot; he must (*a*) have received the diploma of a recognised school of engineering; or (*b*) have served a regular pupilage to a qualified engineer, and be in the practice of the profession of a civil or mechanical engineer; or (*c*) have been engaged on his own account for at least five years in such practice. An associate is a civil or mechanical engineer (but not yet qualified for the member's class), or a person whose pursuits constitute branches of engineering, or which enable him to concur with civil engineers in the advancement of professional knowledge. Honorary members are eminent individuals not in practice as engineers in Great Britain or Ireland. Total number of members, 186.

Communications presented to the Institution become its property, and the Council may publish the same in any way and at any time it may think proper; but if publication of a paper accepted by the Institution be delayed more than twelve months, the author may publish it.

ROYAL INSTITUTION OF ARCHITECTS OF IRELAND,

212 GREAT BRUNSWICK STREET, DUBLIN.

No information.

ARCHITECTURAL ASSOCIATION OF IRELAND,

221 GREAT BRUNSWICK STREET.

No information.

SECTION VIII.

NAVAL AND MILITARY SCIENCE.

LONDON.

ROYAL UNITED SERVICE INSTITUTION.

(*Founded* 25*th June* 1831, *by H.M. William IV., and the most distinguished Naval and Military Officers of the day, as the "Naval and Military Library and Museum;" afterwards named "The United Service Museum," and in* 1839 *the "United Service Institution," incorporated by Royal Charter in* 1860.)

Officers.—*President:* H.R.H. the Duke of Cambridge.
Secretary: Captain Boughey Burgess.

Objects.—"The promotion of naval and military art, science, and literature."

Offices.—Whitehall Yard, S.W., where are a reading-room, with the daily papers, periodicals, &c., and convenience for correspondence, the "best professional library in the United Kingdom" (20,500 vols.), and an excellent topographical collection of maps, charts, and plans. There is a museum for objects of naval and military art, trophies, relics, models, and inventions, and a lecture theatre accommodating over 350 persons. The museum is open daily, except Friday, to members of all services in uniform, and to the public by member's ticket, or on application to the Secretary. The library and reading-room are open to members from 10 A.M. to 8 P.M. Books are lent to members, subject to the approval of the Council.

Meetings are held on Friday afternoons, at 3 P.M., during the session, from the middle of January to the end of June, and occasionally on Wednesday afternoons. A discussion follows the reading of each paper. Visitors (2), ladies or gentlemen, accompanying a member, or in case of his non-attendance provided with a ticket signed by a member, are admitted to the meetings.

Membership.—Officers entitled to become members on payment of entrance fee of £1, and the annual subscription of £1, or by the single payment of £10, are Princes of the blood royal, Lord-lieutenants of counties, Colonial governors, and all officers whose names appear in the official *Army* and *Navy Lists.* Eligible members, whose names must be submitted by two members from personal knowledge, and balloted by the Council, are functionaries who have been or are connected with the Naval and Military Departments, Officers who have quitted the Service, ex-Governors of Colonies and Dependencies, Deputy-lieutenants of counties, the Master, Deputy-master, and Elder Brethren of the Trinity House, Army and Navy Agents. Provisional members from year to year are naval and military cadets above the age of fifteen, who are admitted by ballot of the Council, and pay only the annual subscription. Number of members on 1st January 1884 was 4658.

Committees determine the subject for the competitive gold medal essays, and award the prizes.

Communications.—A *precis* of proposed papers must be submitted to the Council. When accepted the paper is read at a meeting, and published in full or in abstract with the subsequent discussion, and illustrated as required in the *Journal.*

INSTITUTION OF NAVAL ARCHITECTS.

(FOUNDED 1860.)

Officers.—*President:* The Earl of Ravensworth.
Treasurer: J. D'A. Samuda. *Secretary:* George Holmes.

Objects.—To promote the improvement of ships and of all that specially appertains to them—(1) by the bringing together of those results of experience, which so many shipbuilders, marine engineers, naval officers, yachtsmen, and others acquire independently of each other, in various parts of the country; (2) by the carrying out, through the collective agency of the Institution, of such experimental and other inquiries as may be deemed essential to the promotion of the science and art of shipbuilding, but are of too great magnitude for private persons to undertake individually; (3) by the examination of new inventions, and the investigation of professional questions.

Offices.—At 5 Adelphi Terrace, W.C., with reading-room, library, &c. Office hours, 10 to 4 P.M.

Meetings held usually during the week but one preceding Easter in each year.

Membership.—Every candidate for membership must be above twenty-five years of age, and have been professionally engaged, for at least seven years, in some public or private shipbuilding establishment or marine engine works. The proposal shall be signed by at least three members from personal knowledge, and if approved by the Council shall be submitted to the members at an ordinary meeting to vote upon by ballot. Candidates for associateship shall submit a proposal setting forth their claims to be admitted, which, if approved by the Council, shall be submitted to the members and associates jointly to vote upon by ballot. Number of members, 625.

Communications approved by the Council are read at the meeting and published first in *Engineering* and afterwards in the *Transactions* of the Institute.

ROYAL ARTILLERY INSTITUTION.

(FOUNDED 1838.)

Officers.—*President:* H.R.H. The Duke of Cambridge.
Secretary: Major H. W. Hime, R.A.

Object.—To afford military and scientific information to members.

Offices.—At the Institution, Woolwich, with a library of 3000 vols. Books may be borrowed by members.

Meetings.—There are no regular meetings, but the Institute publishes minutes of proceedings, issued in parts. Lectures are given occasionally.

Membership.—Members must be artillery officers in the service or retired. Number of members, 1600.

Communications must be by, or presented through, members, and are published in the *Proceedings.*

ROYAL ENGINEERS INSTITUTE.

(FOUNDED 1875.)

Officers.—*Patron* and *President:* H.R.H. The Field Marshal Commanding-in-Chief. *Secretary:* Capt. F. J. Day.

Objects.—The dissemination of professional information among the officers of the Corps of Royal Engineers, and for scientific and educational purposes.

Offices.—At R. E. Institute, Chatham. The Institute has no library, but its committee are managers of the R. E. Corps Libraries, the head depôt being at the Horse Guards, Whitehall, whence officers are supplied with books. Books of reference may be consulted at the Horse Guards. All the principal home and foreign stations (except in India) have branch libraries. And all officers in the Corps (unless serving in India) subscribe £1 annually towards their maintenance.

Meetings for business are held on the second Thursday in January, April, July, and October, for the communication of reports or papers on professional and scientific subjects, as from time to time appointed.

Communications must not be of a political nature, nor of a character subversive to military discipline; and they must not deal with matter under the consideration of the Government; if of temporary interest, they are, with the discussion, published in the R. E. monthly journal; or, if likely to be of permanent value, in the professional papers, published from time to time.

SECTION IX.

AGRICULTURE AND HORTICULTURE.

LONDON.

ROYAL AGRICULTURAL SOCIETY OF ENGLAND.

(*Founded as the English Agricultural Society*, 1838; *Incorporated by Royal Charter, March* 20, 1840.)

Officers.—*President:* Sir Brandreth Gibbs.
Secretary and *Editor:* H. M. Jenkins, F.G.S.

Objects.—The Charter states the function of the Society to be "the general advancement of English agriculture," and the prosecution of the following national objects, viz., (1) "to embody such information contained in agricultural publications, and in other scientific works, as has been proved by practical experience to be useful to the cultivators of the soil. (2) To correspond with agricultural, horticultural, and other scientific societies, both at home and abroad, and to select from such correspondence all information which, according to the opinion of the Society, may be likely to lead to practical benefit in the cultivation of the soil. (3) To pay to any occupier of land, or other person who shall undertake, at the request of the Society, to ascertain by any experiment how far such information leads to useful results in practice, a remuneration for any loss that he may incur by so doing. (4) To encourage men of science in their attention to the improvements of agricultural implements, the construction of farm-buildings and cottages, the application of chemistry to the general purposes of agriculture, the destruction of insects injurious to vegetable life, and the eradication of weeds. (5) To promote the discovery of new varieties of grain and other vegetables useful to man, or for the food of domestic animals. (6) To collect information with regard to the management of woods, plantations, and fences, and on every other subject connected with rural improvement. (7) To take measures for the improvement of the education of those who depend upon the cultivation of the soil for their support. (8) To take measures for improving the veterinary art, as applied to cattle, sheep, and pigs. (9) At the meetings of the Society in the country, by the distribution of prizes, and by other means, to encourage the best mode of farm cultivation and the breed of live stock. (10) To promote the comfort and welfare of labourers, and to encourage the improved management of their cottages and gardens."

Offices.—12 Hanover Square, where are the Council-room, reference library, and reading-room, &c.

Meetings.—Annual general meetings are held in London in May and December; and a third, styled "the country meeting," in such other part of England or Wales as shall be deemed most advantageous for the advancement of the objects of the Society.

Membership.—Annual subscription of a governor, £5; of a member, £1. Life subscription of a governor, £50; of a member, £10. Governors or members not resident in the United Kingdom are required on election to pay the life composition. Privileges of members are—free admission to the show-yard and to the grand stand at the country meetings; exhibition of live stock and implements at the country meetings at a reduced charge; the *Journals* of the Society of the year for which their subscription has been paid, transmitted free by post, to their address; analyses of manures, feeding stuffs, &c., made at a reduced charge by the consulting chemist, and examination of plants, seeds, and insects by the consulting botanist; access to books in the library; leave to report the outbreak of disease among cattle, sheep, and pigs, and to request the personal attendance of the Society's veterinary inspector; power of sending cattle, sheep, and pigs to the Royal Veterinary College on payment of a small sum for keep and treatment. On the roll of the Society are a total of 8352 members.

Committees.—The Council has the direction of the Society's affairs. Standing committees, reporting to the Council, attend to the various departments. The Stock Prizes, Implement, Dairy, Country Meeting, and Show-Yard Contracts Committees are severally occupied with practical business; the Chemical, Seeds and Plants Diseases, Botanical and Zoological, and Veterinary Committees are scientific bodies, and the Journal and Education Committees conduct the promotion of agricultural knowledge. In this way, farm prizes have been established; the systematic testing of competing agricultural implements has been much improved; scientific investigations into diseases of animals of the farm have been placed on a sound basis; the technical education of veterinary surgeons and of tenant-farmers and land-agents has been stimulated and encouraged; a consulting botanist and an entomologist to advise the members have been appointed; an experimental farm has been established; and a system of exposure of persons connected with the sale of inferior or adulterated feeding-stuffs, manures, and agricultural seeds has been organized and fearlessly carried out, to the great benefit of the agricultural community.

Communications, on practical and scientific subjects only, are received and published, with the approval of the Council, in the Society's *Journal*, which also contains reports on the implements, stock, &c., at the annual show, and on other matters of interest.

ROYAL HORTICULTURAL SOCIETY.

(FOUNDED 1809.)

Officers.—*President:* Lord Aberdare. *Treasurer:* W. Haughton. *Secretary:* Major F. Mason. *Foreign Secretary:* M. T. Masters, F.R.S.

Objects.—The encouragement of horticulture. Fellows have a share in the distribution of plants, seeds, fruit-tree cuttings, &c., from the Society's gardens.

Offices.—In Exhibition Road, South Kensington, with an extensive library, which includes the late Dr Lindley's collection, known as the "Lindley Library." Fellows may borrow books.

Meetings are held frequently at South Kensington, at which new plants, fruits, and vegetables are exhibited, and certificates awarded by the Floral and Fruit Committees. There is also a scientific committee for the discussion of scientific subjects in relation to horticulture, which issues reports from time to time.

Membership.—An annual subscription of £2, 2s. or £4, 4s., according to the privileges selected. Number of members about 2500.

Membership.—Every subscriber of £1 annually is a member; of £2 a governor. A life member pays £10 in one sum, a life governor, £20. Governors and members are entitled to an unlimited number of entries at the annual show at reduced fees, and to be admitted free to the exhibitions. Number of members, 981.

Committees.—The Council appoint select committees to deal with particular business; and during the exhibition meeting, subsidiary local exhibitions, floral, hortricultural, and artistic, are held under the Society's auspices.

Communications and original papers on contemporary agricultural topics are included in the *Journal*, an annual publication.

BANBURY AGRICULTURAL ASSOCIATION.

(FOUNDED 1834.)

Officers.—*President:* Col. J. S. North, M.P.
Secretary and *Treasurer:* Henry Page, Banbury.

Objects.—To hold an annual show, with ploughing matches, awarding of prizes to labourers, &c.

Offices.—Apply to the Secretary.

Membership.—Subscription, 10s., or £2, 2s. contributed in prizes. Officers of any agricultural association are honorary members. Candidates are proposed and seconded by two members, and elected by the Committees.

BEDFORD AGRICULTURAL SOCIETY,

HOME LANE.

No information.

BIRMINGHAM BOTANICAL AND HORTICULTURAL SOCIETY. (FOUNDED 1830.)

Officers.—*President:* Lord Calthorpe. *Treasurer:* Henry Buckley.
Hon. Secretaries: Henry Buckley and William Southall.

Object.—To maintain the Society's gardens and plant-houses, and to procure novelties interesting or valuable in horticulture or science.

Offices at the Botanical Gardens, Edgbaston, Birmingham, where is a small library.

BISHOP'S LYDIARD AGRICULTURAL SOCIETY.

No information.

BLACKBURN AGRICULTURAL SOCIETY.

No information.

BRECKNOCKSHIRE AGRICULTURAL SOCIETY

(FOUNDED 1855.)

Officers.—*President:* W. Fuller Maitland, M.P.
Treasurer: W. de Winton. *Secretary:* Rhys Davies, Forge Villa, Brecknock.

Objects.—The improvement of agriculture generally.

Offices.—Castle Street, Brecon.
Meetings.—Annual exhibition held at Brecon in September of each year
Membership.—Annual subscription, £1, 1s. Number of members, 220.

BRIDLINGTON AGRICULTURAL SOCIETY,
40 HIGH STREET.

No information.

BUCKINGHAMSHIRE ROYAL AND CENTRAL AGRICULTURAL ASSOCIATION,
AYLESBURY.

No information.

CAMBRIDGESHIRE AND ISLE OF ELY AGRICULTURAL SOCIETY.

Officers.—*President:* E. J. Mortlock, J.P.
Treasurer: G. E. Foster. *Secretary:* R. Peters, 7 Downing Street, Cambridge.
Objects.—To promote the improvement of agriculture and the condition of labourers, and to encourage competition in the feeding and breeding of stock.
Offices.—7 Downing Street, Cambridge. Hour, 10 to 5 P.M.
Meetings.—In the County and Isle alternately.
Membership.—Subscription, 10s. and upwards; life composition, £10.

CHERTSEY AGRICULTURAL ASSOCIATION.
(FOUNDED 1833.)

Officers.—*Treasurers:* Messrs Ashby & Co., Bankers, Chertsey.
Secretary: W. Kempson.
Objects.—The advancement of agriculture, and rewarding deserving farm labourers, &c.
Meetings.—Annual meeting third Wednesday in October.
Membership.—Subscriptions various in amount. Number of members about 80.

CHIPPENHAM LACOCK AGRICULTURAL SOCIETY.

No information.

CLEVELAND AGRICULTURAL ASSOCIATION.
PUCKLE STREET, STOCKTON-ON-TEES.

No information.

CORNWALL ROYAL AGRICULTURAL ASSOCIATION.

Officers.—*President:* Rev. Sir Vyell Vyvyan, Bart
Treasurer: Robert Tweedy. *Secretary:* Henry Tresawna.
Objects.—To offer prizes for cattle, sheep, horses, pigs, and implements.
Offices.—Lamellyn, Probus, Cornwall.
Meetings.—Annual exhibition in June.
Membership.—Subscriptions from 10s. to £10. Number of members about 600.

WEST CUMBERLAND AGRICULTURAL SOCIETY.

(FOUNDED ABOUT 1820.)

Officers.—*Chairman of Committee:* R. Jefferson.
Treasurer and *Secretary:* Thomas Brindle.

Object.—To promote improvement in breeding stock.

Offices.—Address the Secretary, Croftend, Beckermet, Cumberland.

Meeting.—General meeting in March, when the date of the annual show is fixed.

Membership.—A subscription of 10s. constitutes membership, with the privilege to exhibit stock free of charge.

DEVON COUNTY AGRICULTURAL SOCIETY.

J. Swinton, Bridgeton. No information.

DONCASTER AGRICULTURAL SOCIETY.

(FOUNDED 1872.)

Officers.—*President:* Lord Auckland.
Treasurer: C. E. S. Cooke. *Secretary:* George Chafer.

Objects.—To encourage the breeding and rearing of first class stock, by annual shows. &c.

Offices.—Address Secretary, 9 Market Place, Doncaster.

Membership.—Subscriptions vary from 10s. 6d. to £10. The Council subscribe not less than £1, 1s. each. Number of members about 700.

DORCHESTER AGRICULTURAL SOCIETY.

No information.

GREAT DRIFFIELD AND EAST RIDING AGRICULTURAL SOCIETY.

No information.

EGHAM AND THORPE ROYAL AGRICULTURAL ASSOCIATION. (FOUNDED 1857.)

Officers.—*Chairman:* H. Howard. *Treasurer* and *Secretary:* B. Hall.

Objects.—The encouragement of agricultural labourers and farm servants in relation both to their skill in the cultivation of the soil, length of service with he same master or on the same farm, and general good conduct and character.

Offices.—Address H. Howard, Muckhatch Farm, Thorpe ; or the Secretary, B. Hall, Fort Rupert Villa, Egham.

Meeting in October for ploughing matches, competition in farm labour, and the award of prizes for cultivation of root-crops, &c.

Membership.—The minimum subscription qualifying the subscriber to nominate a candidate for any competition, 5s. Number of members about 80.

ESSEX AGRICULTURAL ASSOCIATION.

(FOUNDED 1858.)

Officers.—*President:* Lord Braybrooke.
Treasurer: W. M. Tufnell. *Secretary:* F. Whitmore.

Offices.—22 Duke Street, Chelmsford.

Meetings.—Annual show second week in June in each year.

Membership.—Annual subscription, 10s. 6d.; Vice-Presidents, £5, 5s. Number of members about 1000.

FAVERSHAM AGRICULTURAL SOCIETY

No information.

FROME DISTRICT AGRICULTURAL SOCIETY.

Officers.—*President:* Rev. John Constable, M.A.
Treasurer: G. W. Whiltshire. *Secretary:* Wm. Pulham, Gentle Street, Frome.

Objects.—Exhibition of cheese, butter, horses, cattle, pigs, dairy utensils. agricultural implements, &c., in last week of September. Total number of members, 120.

HALIFAX AND CALDER VALE AGRICULTURAL ASSOCIATION.

(*Founded as the Calder Vale Agricultural Association* 1839; *reconstituted and enlarged* 1858.)

Officers.—*President:* Lieut.-Col. Sir Henry Edwards, Bart., C.B.
Chairman of Committees: I. Webster, Esq. *Secretary:* J. Ingham Learoyd.

Objects.—To encourage and advance agriculture in its various branches, and to improve the breed of stock.

Offices.—Address the Secretary, 18 Cheapside, Halifax.

Meetings for general business on the third Wednesday in January; the annual show on the last Saturday in August.

Membership.—Annual subscription of £6, 6s. constitutes a Vice-President, with special privileges; members pay 21s. annually. Number on the roll about 450.

HANTS (NORTH-EAST) AGRICULTURAL SOCIETY,

ALTON.

No information.

HEREFORDSHIRE AGRICULTURAL SOCIETY,

BROAD STREET, HEREFORD.

No information.

HORNCASTLE AGRICULTURAL SOCIETY,

TINKERS' ENTRY, HIGH STREET.

No information.

HUNTINGDONSHIRE AGRICULTURAL SOCIETY.

Officers.—*President:* Henry Goodman.
Secretary: A. G. Dilley, Market Place, Huntingdon.

Meetings.—General meeting at Huntingdon on the third Saturday in January; the annual show for cattle, butter, and poultry is itinerant in the county.

Members are residents of the county, or occupy not less than fifty acres of land within a distance of ten miles from its boundary. A subscription of 10s. annually constitutes membership, but those only are eligible for the committee or qualified to show stock who subscribe £1 and upwards. Number of subscribers, 241.

LANCASTER AGRICULTURAL SOCIETY.

No information.

LEICESTERSHIRE AGRICULTURAL SOCIETY,
TYSTON.

No information.

LINCOLNSHIRE AGRICULTURAL SOCIETY.
(FOUNDED 1868.)

Officers.—*President:* The Earl Brownlow. *Secretary:* Stephen Upton.

Objects.—To hold an annual exhibition of farming stock, implements, &c., to promote agriculture, and to distribute premiums to the labouring classes.

Offices.—Apply to Mr Upton, St Benedict's Square, Lincoln. The library consists of agricultural works. Members may take out books.

Meetings in North and South Lincolnshire in alternate years; at Lincoln every five years.

Membership.—A subscription of £5 entitles the subscriber to the rank of a Vice-President; ordinary members pay 10s. £10 constitutes life membership.

LINCOLNSHIRE CHAMBER OF AGRICULTURE.
(FOUNDED 1867.)

Officers.—*President:* Earl Brownlow. *Secretary:* Stephen Upton.

Objects.—To discuss subjects bearing upon agriculture; to co-operate with the Central Chamber in London in watching over all measures affecting the agricultural interests both in and out of Parliament, and in taking such action thereon as may seem desirable for the benefit of agriculture generally.

Offices.—Apply to S. Upton, St Benedict's Square, Lincoln.

Meetings.—Annual meetings held in January, in some principal town in the county.

Membership.—An annual subscription of 10s. or £1 entitles the subscriber to attend all Council meetings. Number of members, 219.

Communications are referred to the members of the Council.

LIVERPOOL AGRICULTURAL AND HORTICULTURAL ASSOCIATION,
16 CASTLE STREET.

No information.

LOUTH AGRICULTURAL SOCIETY.

No information.

MALTON AGRICULTURAL SOCIETY,
NEWBYN HOUSE.

No information.

MELKSHAM AGRICULTURAL SOCIETY,

F. Newman, Secretary. No information.

NOTTINGHAM AGRICULTURAL SOCIETY.

No information.

OSWESTRY DISTRICT AGRICULTURAL SOCIETY.

(FOUNDED 1867.)

Officers.—*President:* Sir W. E. Hanmer, Bart.
Treasurer, M. Croxon & Co. *Secretary:* Thomas Whitfield.

Objects.—To benefit agriculture by holding annual shows, &c.

Membership.—Subscriptions, £1, 1s. Number of members, 250.

Meetings.—Annual show held in Oswestry and Ellesmere.

OXFORDSHIRE AGRICULTURAL SOCIETY.

(FOUNDED 1811.)

Officers.—*President:* Viscount Valentia. *Secretary:* R. H. Rew.

Objects.—To encourage the breeding and rearing of live stock.

Offices.—7 New Road, Oxford.

Meetings.—The annual show is held in different towns. Prizes are awarded for stock, and facilities afforded for exhibition of implements, &c.

Membership.—Number of members, 353.

PETERBOROUGH AGRICULTURAL SOCIETY,
MINSTER GATE.

No information.

PRINCES RISBOROUGH AGRICULTURAL ASSOCIATION. (FOUNDED 1859.)

Officers.—*President:* G. Humphrey.
Hon. Secretaries: S. Read and R. M. B. Gurney.

Object.—To encourage local agricultural operations, both for labourers and their employers.

Offices.—Address the Hon. Secretaries, Princes Risborough.

Meetings.—An annual ploughing match is held in September or October; and prizes are awarded for ploughing and root crops, &c.

Membership.—Candidates residing within 8 miles of the town are eligible, and having been proposed and elected, pay 10s. or more annually. Number of members about 70.

REIGATE AND REDHILL AGRICULTURAL SOCIETY.

No information.

RICHMOND (YORKS) AGRICULTURAL SOCIETY.

No information.

RICHMOND AND SHIRE AGRICULTURAL SOCIETY, NORTH MERTON, YORKS.

No information.

ROMSEY AGRICULTURAL SOCIETY.

No information.

SANDY AND DISTRICT FLORAL AND HORTICULTURAL SOCIETY. (Founded 1868.)

Officers.—*President:* Captain Sidney Stanley.
Treasurer: E. T. Leeds Smith. *Secretary:* William Green.

Objects.—To promote the successful growth of flowers, plants, fruit, and vegetables.

Meetings.—Annual meeting, last Friday in February.

Membership.—Subscriptions, 2s. 6d. and upwards. Number of members, 1020.

SHROPSHIRE AGRICULTURAL SOCIETY.

Officers.—*President:* W. Kenyon Slaney. *Secretary:* J. Pearce, Market Drayton.

Object.—General promotion of agriculture.

Meetings.—An annual exhibition is held.

Membership.—Subscription, £1.

SHREWSBURY AND WEST MIDLAND AGRICULTURAL SOCIETY.

No information.

SITTINGBOURNE AGRICULTURAL ASSOCIATION.

No information.

SKIPTON AGRICULTURAL SOCIETY.

No information.

SUFFOLK AGRICULTURAL ASSOCIATION.

(Founded 1831.)

Officers.—*President:* Lord Waveney. *Secretary:* R. Bond.

Objects.—The aid and advancement of agriculture, the excitement of skill, industry, and good conduct among cottagers, &c., and of enterprise and emulation among the owners and occupiers of land.

Offices.—6 Buttermarket, Ipswich.

Meetings.—A general meeting the last Friday in November, and an annual show as determined by the Committee, when various prizes and premiums are given.

Membership.—Candidates must be proposed by a member, and elected at a general or committee meeting. Subscription, £1; life composition, £10. Number of members about 330.

SUFFOLK AGRICULTURAL SOCIETY.

ESSINGTON, SUDBURY.

No information.

TODMORDEN AGRICULTURAL SOCIETY.

No information.

GREAT TORRINGTON AGRICULTURAL SOCIETY.

Officers.—*President:* J. C. Moore Stevens.

Hon. Treasurer: R. A. Moore Stevens. *Secretary:* George J. Jagers.

Objects.—To improve the quality of farm stock, especially the breed of cattle known as the North Devon breed, and to encourage proficiency in sheep shearing.

Offices.—Address the Secretary, 2 Rolle Terrace, Torrington, N. Devon.

Meetings held annually on the 4th of May. Prizes are awarded.

TOTNESS UNION AGRICULTURAL SOCIETY.

No information.

TRING AGRICULTURAL SOCIETY.

Object.—To advance agriculture by annual competition in animals, roots, and corn.

Offices.—Address Hon. Secretary, F. J. Brown (Messrs Brown & Foulkes), Tring.

ULVERSTON (WEST LONSDALE) AGRICULTURAL SOCIETY.

No information.

WARWICKSHIRE AGRICULTURAL SOCIETY.

Officers.—*President:* The Earl of Warwick. *Treasurers:* Messrs Greenway, Smith, and Greenways, Warwick. *Secretary:* John Moore, Warwick.

Object.—The improvement of the art and science of agriculture.

Offices.—Northgate Street, Warwick.

Meetings.—Annual exhibition at Stratford-on-Avon in the month of September.

Membership.—Subscription, £1 per annum. Number of members, 343.

WETHERBY AGRICULTURAL SOCIETY.

Officers.—*President:* Colonel Gunter. *Secretary:* R. D. Smith, Wetherby.

Objects.—Improvement in breeding of stock (horses, cattle, sheep, and pigs).

Meetings.—Yearly, about end of September.

Membership.—Number of members about 200.

WESTMORELAND DISTRICT AGRICULTURAL SOCIETY.

65 HIGH STREET, KENDAL.

No information.

WHARFEDALE AGRICULTURAL SOCIETY.

(FOUNDED ABOUT 100 YEARS AGO.)

Officers.—*President:* Ayscough Fawkes.

Bankers: The Yorkshire Banking Co. (Limited). *Secretary:* William Holmes.

Objects.—To improve the breed of stock, and agriculture generally, in Wharfedale and neighbourhood.

Offices.—Address the Secretary, Osley, Yorkshire.

Meetings.—An annual two days' show is held in May each year. Between £500 and £600 awarded in prizes.

Membership.—The Society consists of about 350 members, who subscribe 10s. 6d. or upwards annually, and about 150 subscribers of a less amount. Number of members and subscribers about 500.

WHITBY AGRICULTURAL SOCIETY.

(FOUNDED 1834.)

Officers.—*President:* Sir F. A. Milbank, Bart., M.P.

Treasurer: Henry Simpson. *Secretary:* William Brown.

Object.—Improvement of agriculture.

Offices.—7 Baxtergate, Whitby.

Meetings.—A show of prize cattle, &c., held annually in or about the month of August.

Membership.—Ordinary subscription, 5s. per annum. Number of members, 350.

WIRRAL AND BIRKENHEAD AGRICULTURAL SOCIETY. (FOUNDED 1842.)

Officers.—*President:* Macgregor Laird.

Treasurers: North and South Wales Bank. *Secretary:* J. Slater Lewis.

Object.—Promotion of agriculture, &c.

Offices.—28 Hamilton Street, Birkenhead. Hours, 9 to 5.

Meetings at various dates.

Membership.—Subscription, 10s. 6d. to persons residing within 25 miles of the Birkenhead Town Hall; to others, £1, 1s. Number of members, 900.

WORCESTERSHIRE AGRICULTURAL SOCIETY.

(FOUNDED 1838.)

Officers.—*President:* Sir Henry Allsopp, Bart.

Treasurer: G. E. Martin, Esq. (Berwick & Co.). *Secretary:* E. T. Goldingham.

Objects.—To improve practical agriculture, and encourage the breeding of live stock of the most profitable description.

Offices.—50 Foregate, Worcester.

Meetings.—Annual exhibition of implements and live stock in July.

Membership.—Annual subscription of not less than £1. Number of members about 400.

YEOVIL AGRICULTURAL SOCIETY.

No information.

YORK AGRICULTURAL SOCIETY,

3 BLAKE STREET.

No information.

SCOTLAND.

THE HIGHLAND AND AGRICULTURAL SOCIETY OF SCOTLAND (Instituted 1784, Incorporated 1787.)

Officers.—*President:* His Grace The Duke of Richmond and Gordon, K.G. *Treasurer:* William S. Walker, C.B. *Secretary:* Fletcher Norton Menzies.

Objects.—To promote the science and practice of agriculture in all its branches.

Offices.—3 George IV. Bridge, Edinburgh, 10 till 4 o'clock.

Meetings.—Two general meetings held, usually on third Wednesday of January and June. Annual show of live stock and implements.

Membership.—Candidates for admission must be proposed by a member. Subscription, £1, 3s. 6d.; life composition, £12, 12s. Tenant farmers, &c., subscribe 10s. annually, or life composition £5, 5s. Number of members, 5030.

Committees.—For conducting business there are thirteen standing committees. Amongst them Chemical Department, Highland Industries and Fisheries Machinery, Ordnance Survey, and Veterinary departments, &c. In 1856 the Society was empowered by a supplementary charter under the great seal, to grant diplomas in agricultural education. They appoint examiners in the science and practice of agriculture, in botany (including forestry), chemistry, natural history, veterinary science, field engineering, and book-keeping. The Society's *Transactions* are published annually.

SCOTTISH ARBORICULTURAL SOCIETY.

(Founded 1854.)

Officers.—*President:* Hugh Cleghorn, M.D., F.R.S.E.
Secretary and *Treasurer:* John M'Laren, jun.

Objects.—The advancement of scientific and practical arboriculture in all its branches, and the dissemination of a knowledge of such branches of natural history as are connected with it.

Offices.—Address the Secretary, 5 St Andrew Square, Edinburgh. Arrangements are in progress to acquire a permanent depôt for the Society's library and museum.

Meetings.—The annual, usually held in Edinburgh, on the first Tuesday in October, will be held this year on August 5, during the special International Exhibition of Forestry originated by the Society, in which it will exhibit objects relating to the social and economical condition of foresters. Excursions are made in summer and autumn to localities of interest to members.

Membership.—Eligible as ordinary members (1) proprietors, factors, nurserymen, and others (who subscribe annually 10s. 6d.), (2) head foresters and others (5s.), (3) assistant foresters and others (3s.). A candidate is proposed by a member.

Committees.—The Society proposes twenty subjects for essays, and offers one or several prizes in each, in open competition; another list of eight subjects is addressed to assistant foresters only. Prizes are also offered for improved and meritorious implements useful in forestry; for a model in rustic or ornamental wood work; for a collection of fruits or seeds of new or rare forest trees, which will germinate and flourish in this country.

Communications for competition must be sent in before July 12, bearing a motto, accompanied by a separate sealed envelope, with the same motto outside, and the competitor's name and address inside. Select essays appear in the *Proceedings* and *Transactions* of the Society, published regularly.

AGRICULTURAL SOCIETY OF EDINBURGH,

22 GEORGE STREET.

No information.

AGRICULTURAL RESEARCH ASSOCIATION FOR THE NORTH-EASTERN COUNTIES OF SCOTLAND.

(FOUNDED 1883.)

Officers.—*Director:* Thos. Jamieson, F.C.S. *Secretary:* A. A. Lumsden. *Superintendent of Experiments:* W. A. Ritchie. *Manager of Farm:* T. Forsyth.

Objects.—To advance agriculture by means of scientific researches in the field and laboratory; to carry on a farm to illustrate the most advanced systems, and provide reliable data; and to provide an educational agricultural museum.

Offices.—Address the Director, 140 Union Street, Aberdeen.

Meetings.—Occasional.

Membership.—Capital associates, who advance £100 and upwards; donation associates, who give £50 and upwards; subscription associates, who give annual subscriptions; communication associates, farmers who pay 1s. per £100 rental; honorary associates, distant distinguished scientific men. A farm has been taken, experiments are in progress, and a museum and laboratory are in course of construction.

ROYAL NORTHERN AGRICULTURAL SOCIETY.

(FOUNDED 1843.)

Officers.—*President:* The Earl of Aberdeen.
Secretary and *Treasurer:* George Bruce.

Objects.—The improvement of agriculture, agricultural produce, and the economy of the same in all its branches; to hold shows and competitions for prizes; to inspect experiments and produce, and receive suggestions; and to diffuse agricultural information.

Offices.—The Society holds on hand a few books on agriculture for the use of members. Address the Secretary, 35 Market Street, Aberdeen.

Meetings.—Annual general meeting on the last Friday in December; the spring show in February; the summer in July.

Membership.—Members are enrolled on the understanding that they shall continue members for 3 years. Subscription for proprietors, 20s.; for tenants farming upwards of 100 acres, 10s.; and for amateurs, 7s. 6d. Number of members, 842.

Communications are received gladly on all agricultural topics, and suggestions accepted in regard to shows, &c.

NORTH OF SCOTLAND HORTICULTURAL ASSOCIATION. (Founded 1879.)

Officers.—*President:* John Littlejohn.
Treasurer: David Darling. *Secretary:* William Reid.

Object.—To promote and advance the science and practice of horticulture, and to disseminate a knowledge of such branches of natural history as are connected therewith.

Offices.—Communications to be addressed to the Secretary, 13 Hadden Street, Aberdeen.

Meetings.—Annual general meeting on the third Friday in September, and ordinary meetings on the third Friday of each month from September to February.

Membership.—Members must be proposed and seconded. Subscription, 2s. 6d.; life composition, £2, 2s. Number of members, 200.

Communications must be approved by the Committee.

ANGUS AGRICULTURAL ASSOCIATION.

Officers.—*President:* The Earl of Airlie.
Treasurer and *Secretary:* A. M. Thomson.

Objects.—The improvement of agriculture and of the breed of cattle and other animals, the welfare and improvement of the condition of agricultural labourers, &c.

Offices.—21 Hill Place, Arbroath.

Meetings.—Annual, in March; and general meeting in June, to appoint judges for the autumn show of the Society and general business.

Membership.—Subscription from 10s. 6d. Number of members about 230.

ARBROATH HORTICULTURAL AND NATURAL HISTORY ASSOCIATION. (Founded 1880.)

Officers.—*President:* James S. Crichton, M.D.
Treasurer and *Secretary:* George Bell, Abbey View, Arbroath.

Objects.—To promote and advance the science and practice of horticulture and the study of natural science generally.

Meetings.—Third Thursday of each month.

Membership.—Subscription, 2s. 6d.; life members, £1, 1s. Number of members, 72.

Committees.—Field Club (for practical botany and geology in summer), Committee for compiling and publishing "Flora of Arbroath and its Neighbourhood," and Committee for re-arranging specimens in Arbroath Museum.

AYRSHIRE AGRICULTURAL ASSOCIATION,

70 NEW MARKET STREET, AYR.

No information.

BORDER UNION AGRICULTURAL ASSOCIATION,

25 BRIDGE STREET, KELSO.

No information.

BUTE FARMERS' SOCIETY.

(FOUNDED 1825.)

Officers.—*President:* James Lyon. *Treasurer:* Robert Watson. *Secretary:* Thomas W. Alexander, County Buildings, Rothesay.

Objects.—To promote agricultural improvement and to advance the interests of agriculture.

Meetings.—Two general meetings (stated) in the year, in May and December.

Membership.—Candidates are elected by vote at general meeting. Subscription, 5s. per annum. Number of members, 150.

CARLUKE AGRICULTURAL SOCIETY.

(FOUNDED 1833.)

Officers.—*President:* Alexander Allison.

Treasurer: John Hislop. *Secretary:* Andrew Beveridge.

Objects.—To encourage the breeding of cattle, with a view to the improvement of stock, to stimulate industry, and arouse the energies of the agriculturist in investigating the theory and practice of farming.

Membership.—Candidates must own or hire land lying within or partly within the parish of Carluke. Subscription, 2s. 6d.; entrance fee, 7s. 6d.; honorary members' subscription, 2s. 6d. Number of members, 150.

Meetings.—Annual show at Carluke in June. Competitions open to all the ordinary members. Prizes are awarded. Annual general meeting held at Carluke in March.

DALKEITH AGRICULTURAL SOCIETY

Secretary: W. Harper. No information.

DUMBARTONSHIRE AGRICULTURAL SOCIETY.

(FOUNDED 1848.)

Officers.—*President:* H. E. Crum-Ewing.

Treasurer and *Secretary:* Thomas M'Lean.

Object.—Advancement of agriculture in the county.

Offices.—Bridge House, Alexandria, Dumbartonshire. Hours, 10 A.M. to 4 P.M.

Meetings.—Annual general meeting at Dumbarton on third Tuesday of March.

Membership.—Members must be resident in the county. Subscription, 5s.; entry fee, 5s. Number of members, 250.

DUNBLANE AGRICULTURAL SOCIETY.

No information.

DUNOON AGRICULTURAL SOCIETY.

(FOUNDED 1854.)

Officers.—*President:* James Duncan of Benmore.

Treasurer and *Secretary:* John Dobie, Clydesdale Bank, Dunoon.

Objects.—The improvement of stock in the district.

Meetings.—Show held yearly on the second Friday in June.

Membership.—Life donation, £20; honorary members, £1; ordinary members, 5s.

EAST LOTHIAN AGRICULTURAL SOCIETY,

HIGH STREET, HADDINGTON.

No information.

INVERNESS FARMERS' SOCIETY.

18 LOMBARD STREET.

No information.

JEDBURGH AGRICULTURAL SOCIETY.

No information.

LANARKSHIRE FARMERS' SOCIETY.

Officers.—*President:* The Duke of Hamilton and Brandon.

Treasurer and *Secretary:* William Forrest, Union Bank of Scotland, Hamilton.

It holds an annual show for cattle, horses, sheep, and collie dogs, dairy produce, and oatmeal cakes. Prizes are awarded. Number of donors (of sums from 5s. to £15), 142.

KILMARNOCK FARMERS' CLUB.

(FOUNDED 1793.)

Officers.—*President:* R. Guthrie. *Hon. Secretary:* James Wilson.

Objects.—The advancement of agriculture, the improvement of stock, and the promotion of those arts with which the rearing of cattle and husbandry in general are connected.

Offices.—Apply to Hon. Secretary, National Bank of Scotland, Kilmarnock.

Meetings.—General meeting in December. Ploughing match and cattle show as fixed.

Membership.—Subscription, 5s. Number of members about 200.

KINCARDINESHIRE FARMERS' CLUB,

STONEHAVEN.

No information.

KINROSS AGRICULTURAL SOCIETY.

Secretary: J. Beveridge. No information.

LARGO AGRICULTURAL SOCIETY,

GALLOWGATE.

No information.

LARGO FARMERS' SOCIETY.

No information.

LESMAHAGOW FARMERS' SOCIETY.

(FOUNDED 1803.)

Officers.—*President:* J. B. Greenshields.

Treasurer and *Secretary:* Thomas P. Loudon, Abbeygreen, Lesmahagow.

Object.—To promote improvements in agriculture.

Meetings.—Annual exhibition takes place on first Wednesday in June.

Membership.—Members must be proprietors or tenant-farmers resident in the district. Entrance fee, 5s.; subscription, 2s. 6d.

LINLITHGOW AGRICULTURAL ASSOCIATION, BATHGATE.

No information.

WEST LINTON AGRICULTURAL SOCIETY.

(FOUNDED 1873.)

Officers.—*President:* Sir G. G. Montgomery, Bart. *Secretaries* and *Treasurers:* A. Alexander, West Linton; and Jno. Cairns, Winkston.

Object.—To hold an annual exhibition of stock, &c.

Offices.—Apply to the Secretaries as above.

Meetings.—An annual show on second Saturday in August.

MAYBOLE FARMERS' SOCIETY.

No information.

OLD MONKLAND AGRICULTURAL SOCIETY

(FOUNDED 1866.)

Officers.—*President:* Major Neilson. *Treasurer:* William J. Andrew. *Secretary:* John Cooper, National Bank, Coatbridge.

Object.—The promotion of agricultural science, and improvements in all its branches.

Meetings.—On the first Wednesday in April and November, in each year.

Membership.—Any person residing or possessing land or property in the parish of Old Monkland is eligible. Subscription, 5s. Number of members, 55.

MULL AGRICULTURAL ASSOCIATION, TOBERMORY.

No information.

OBAN LORN AGRICULTURAL SOCIETY.

No information.

ORKNEY AGRICULTURAL SOCIETY.

(FOUNDED 1875.)

Officers.—*President:* Colonel David Balfour.

Treasurer: R. G. W. Irvine. *Secretary:* James Johnston, jun.

Objects.—To hold and give premiums at agricultural shows, ploughing competitions, &c.; to check the adulteration of manures, seeds, and feeding stuffs; and to do whatever may be considered advisable for the advancement of agriculture.

Meetings.—Two held yearly at Kirkwall, in June and December.

Membership.—Subscription, 5s. Number of members, 140.

PEEBLESSHIRE AGRICULTURAL SOCIETY, PEEBLES.

(FOUNDED 1863.)

Object.—To improve the breed of stock.

Meeting held annually.

Membership.—Subscription, 10s. Number of members, 150.

RENFREWSHIRE AGRICULTURAL SOCIETY.

(FOUNDED 1802.)

Officers.—*President:* Sir Michael Shaw Stewart, Bart.

Treasurer and *Secretary:* William Bartlemore, Paisley.

Objects.—To advance the agricultural capabilities of the county of Renfrew, and to encourage the breeding of horses, cattle, sheep, &c.

Offices.—County Buildings. Hours, 9 A.M. till 5 P.M.

Meetings.—Annual general meeting, second Thursday of November.

Membership.—Open to all persons owning or occupying real property or residing within the county of Renfrew, or bearing a title from or in any way connected with said county. For proprietors of 100 acres, £3, 3s.; tenant farmers and others, £1, 11s. 6d.; sons and widows of tenant farmer members only, 15s. 9d. Subscription, £160. Number of members, 600.

Committees.—Two general committees are for Show purposes, the other for Ploughing match.

EASTERN DISTRICT OF STIRLINGSHIRE AGRICULTURAL ASSOCIATION. (FOUNDED 1870.)

Officers.—*President:* Ralph Stark.

Treasurer: James S. Hay. *Secretary:* Thomas Binnie.

Objects.—The advancement of practical and scientific agriculture in all its branches, and the improvement of different breeds of cattle, horses, &c.

Offices.—Address the Secretary, T. Binnie, Auctioneer, Falkirk, N.B.

Meetings.—In January for ploughing competition, in May for show of live stock, dairy produce, and Christmas show of fat stock and roots.

Membership.—Residents or an agricultural interest in the district are qualified. Number of members, 340.

STRANRAER AGRICULTURAL SOCIETY.

Secretary: H. Adams, North Strand Street. No information.

TEVIOTDALE FARMERS' CLUB.

(FOUNDED 1859.)

President: A. Haddon.

Object.—The discussion of questions relating to the farming interest.

Offices.—Address the Secretary, Mr Oliver, Auctioneer, Hawick, N.B.

Meetings.—First Thursday in each month.

Membership.—Members are admitted by ballot, and subscribe 20s. annually. Number of members, 50.

Communications.—A *résumé* of the discussions of the Club, from 1859 to 1874, is published.

WEST TEVIOTDALE AGRICULTURAL SOCIETY.

(FOUNDED 1835.)

President: W. E. Lockhart of Borthwickbrae.

Objects.—To encourage the breed of sheep, cattle, and horses.

Offices.—Address the Secretary, Mr Oliver, Auctioneer, Hawick.

Meeting.—An annual exhibition, at which prizes are awarded, is held in September.

Membership.—Landed proprietors subscribe 21s. to £5; farmers, 10s.

IRELAND.

ROYAL AGRICULTURAL SOCIETY OF IRELAND.

(FOUNDED 1841.)

Officers.—*President:* The Marquis of Ormonde.

Secretary: Thomas H. B. Ruttledge.

Offices.—40 Dawson Street, Dublin. Hours, 11 to 4.

Meetings.—General meetings, May to December, and annual show.

Membership.—Life members pay £10; annual subscribers, £1 and upwards; tenant farmers pay 10s.

Committees.—Finance, Implement, Dairy, Premiums.

ROYAL HORTICULTURAL SOCIETY OF IRELAND.

(FOUNDED 1830.)

Officers.—*President:* The Duke of Leinster. *Treasurer:* Royal Bank.

Hon. Secretaries: Maziere J. Brady, F. J. Isacke, and M. R. Powell.

Acting Secretary: Ambrose Balfe.

Objects.—The improvement of horticulture in all its branches, ornamental as well as useful, by holding public exhibitions during the year and awarding prizes, and also by placing the Society's medal at the disposal of certain local Societies.

Meetings.—The first and third Saturdays of each month.

Membership.—Entrance fee, 21s.; annual subscription, 21s.; life composition, £10, 10s. Number of members about 300.

NORTH-EAST AGRICULTURAL ASSOCIATION OF IRELAND.

Officers.—*President:* General Viscount Templeton, K.C.B.

Secretary: Gerald Bingham.

Objects.—The improvement of farm stock, and the advancement of agricultural science.

Offices.—Ulster Buildings, Belfast.

Meetings.—Annually in Belfast (January), for general business, and the summer show at some town in the counties of Down, Antrim, Armagh, Monaghan.

Membership.—Amateurs pay annually a minimum subscription of 20s.; farmers of the province of Ulster and others whose chief support is agriculture pay 10s. Number of members about 310.

THE CHEMICO-AGRICULTURAL SOCIETY OF ULSTER. (Founded 1845.)

Officers.—*President:* Viscount Templetown, G.C.B. *Treasurer:* Felix Simms. *Secretary:* W. B. Ritchie, J.P. *Chemist:* Prof. Hodges, M.D., F.C.S.

Objects.—To enable farmers and proprietors of Ulster to avail themselves of the assistance of science in the improvement of agriculture.

Offices.—The Laboratory, Upper Arthur Street, Belfast.

Meetings.—Monthly, in the rooms of the Society.

Membership.—Subscription, 21s. for proprietors and persons not exclusively occupied in agriculture; for tenant farmers and teachers of schools, 5s.

Communications.—*Proceedings* are published monthly.

COLERAINE AND BALLYMONEY FARMING SOCIETY. (Founded about 40 Years ago.)

Officers.—*President:* Sir H. H. Bruce, Bart., M.P. *Treasurer:* William Woodside. *Secretary:* J. H. Moody, Coleraine.

Object.—To promote agriculture and breeding of stock.

Offices.—Church Street, Coleraine.

Meetings.—Fixed annual occasional meetings.

Membership.—Members subscribe either 5s., 10s., or 20s. according to their positions. Members only may compete for prizes.

SECTION X.

LAW.

LONDON.

THE INCORPORATED LAW SOCIETY OF THE UNITED KINGDOM,

103 TO 113 CHANCERY LANE, LONDON, W.C.

Officers.—*President:* Ebenezer John Bristow.

Secretary: Edward Walter Williamson. *Librarian:* Frederic Boase.

History.—This Society, composed of attorneys, solicitors, and proctors, was established in 1827, and incorporated by Charter in 1831. In 1833 it instituted courses of lectures for articled clerks and students; in 1836 the judges issued regulations under which the Council, jointly with the masters of the Courts, act as examiners of candidates for admission on the roll; in 1843 it was appointed Registrar of Solicitors; in 1845 it obtained a second Charter, containing extended powers; and in 1878 a supplemental Charter, enlarging its constitution.

Offices.—Comprise a hall and library of 30,000 vols., open daily.

Meetings.—Two half yearly general meetings, in January and April, and an annual provincial meeting in October, when papers are read.

Membership.—Candidates must be solicitors, proposed by two members, and approved by the Council. Subscription for town members, £2; for country do., £1. Articled clerks of members may use the library on payment of a subscription of £2. Number of members, 4200. Lectures, on legal subjects, are delivered on Thursdays, from November to June. Law classes are also held from November to June. Fee, £2, 12s. 6d. for each branch, or £5, 5s. for the course. An elementary class for articled clerks who have not passed their intermediate examination has been established.

INSTITUTE OF PATENT AGENTS.

(INCORPORATED AUGUST 12, 1882.)

Officers.—*President:* J. H. Johnson. *Secretary:* H. Howgrave Graham.

Objects.—(*a*) To promote improvements in the Patent Laws, and in the regulations under which they are administered; (*b*) to frame and establish rules for professional practice; (*c*) generally to aid in the acquisition and dissemination of knowledge appertaining to the profession.

Offices.—57 and 58 Chancery Lane, W.C.

Meetings, at which papers are read and discussed, are held generally from November till the end of May.

Membership.—A Fellow shall be more than 25 years of age, and have practised on his own account in the United Kingdom for 5 years, or have been for 7 years

pupil or assistant of a fellow of the Institute, or have passed the examination of the Institute. Associates shall be 25 years of age, and not patent agents by profession, but connected with the law, science, or the arts, or shall have been for 3 years graduates of the Institute. Foreign members shall be patent agents established in foreign countries or the British Colonies, but not practising in the United Kingdom. Hon. members are also elected. Number on the roll, 81.

Communications are approved by the Council before being read. The first vol. of the *Transactions* has been published.

COUNTRY.

The following list is taken from the Incorporated Law Society's *Calendar*, 1884, and gives the country Societies in association with it :—

Name.	Founded.	No. of Members.	President.	Secretary.
Anglesea and Carnarvon,	1873	18	J. L Griffith.	Chas. A. Jones.
Bath,	1858	43	H. H. Burne.	J. A. Timmins.
Birmingham,	1818	233	Th. Horton.	A. Godlee.
Bolton,	1826	46	C. H. Holden.	James Watkins.
Bradford,	1875	54	S. Robinson.	J. T. Ray.
Bristol,	1871	122	E. M. Harwood.	H. N. Abbot.
Bury,	1881	15	W. Harper.	S. F. Butcher.
Cambridge,	1871	61	E. Foster.	John Bonnett.
Carlisle,	1831	16	J. Norman.	J. Hodgson.
Chester and North Wales,	1882	67	J. Cullimore.	C. W. Duncan.
Devon and Exeter,	...	63	W. Buckingham.	A. E. Ward.
Dorsetshire,	1835	...	T. Rawlins.	Alfred Pope.
Durham (South) and N. Yorkshire	1874	55	A. Buchannan.	A. Buchannan.
Gloucester,	1817	89	R. Ellett.	E. Coren.
Hertfordshire,	...	40	...	C. D. Andrews.
Hertfordshire,	...	42	T. J. Sworder.	C. E. Longmore.
Huddersfield,	1881	55	H. F. Barker.	C. Hall.
Hull,	1818	74	F. Rollit.	J. T. Woodhouse.
Kent,	1818	114	T. F. Simpson.	C. A. Case.
Lancaster,	1838	65	J. W. Marshall.	L. Holden.
Leeds,	1805	74	J. W. Middleton.	T. Marshall.
Leicester,	1860	84	J. Bouskell.	W. Simpson, jun.
Lincoln,	1880	52	J. W. Danby.	W. B. Danby.
Liverpool,	1827	281	J. Hughes.	F. M. Hull.
Luton Law Association,	1882	9	C. F. Scargill.	A. Ewan.
Manchester Law Association,	1838	194	J. F. Tweedale.	E. Boutflower.
Newcastle-on-Tyne,	1826	103	W. S. Daglish.	T. G. Gibson.
Nottingham,	1875	105	W. Bryan.	A. Williams.
Plymouth,	1815	38	C. T. Bewes.	J. Loye.
Preston,	1834	50	T. M. Shuttleworth.	W. Banks.
Scarborough,	...	...	...	W. H. Fowler.
Sheffield District,	1875	128	B. Burdekin.	H. Bramley.
Shropshire,	1877	48	T. M. How.	T. H. Hignett.
Somersetshire,	1796	45	...	J. H. B. Pinchard.
Stockport,	1875	18	W. H. Vaughan.	G. L. Vaughan.
Sunderland,	1860	46	W. S. Robinson.	R. C. Nelson.
Sussex,	1860	60	J. C. Clark.	W. J. Williams.
Swansea and Neath,	1878	30	H. P. Charles.	F. J. Carlyle.
Wakefield,	1874	36	W. R. Wilson.	C. A. Wilkin.
Wolverhampton Law Association	1847	58	W. H. Colburn.	A. Whitehouse.
Worcestershire,	1841	60	W. P. Hughes.	F. R. Jeffery.
Great Yarmouth,	...	...	...	David Palmer.
Yorkshire,	1786	90	Wm. Walker.	F. J. Munby.

BIRMINGHAM LAW STUDENTS' SOCIETY.

(FOUNDED 1838, RE-ESTABLISHED 1847.)

Officers.—*President:* Lord Justice Bowen.

Hon. Secretary: A. H. Coley, 39 Waterloo Street. *Hon. Treasurer:* W. P. Travis.

Object.—The advancement of its members in the knowledge and study of the law, and the practice of advocacy.

Offices.—Birmingham Law Society Library, Bennett's Hill.

Meetings are held during the spring and autumn months on every alternate Tuesday, at 6.30 P.M., to discuss moot points of a legal or jurisprudential character. Lectures on legal subjects are occasionally delivered.

Membership.—Ordinary members are students for the bar, members of the universities studying for a legal examination, and gentlemen who have served under articles of clerkship to a solicitor. They must be proposed and seconded. Annual subscription, 10s. 6d. Any barrister-at-law or solicitor is eligible as an hon. member, and ordinary members on being called to the bar or admitted as solicitors become *ipso facto* hon. members, and subscribe 5s. 6d. annually.

HULL INCORPORATED LAW SOCIETY.

(FOUNDED 1818.)

Officers.—*President:* A. K. Rollit, LL.D.

Treasurer: J. Allen Jackson. *Hon. Secretary:* J. T. Woodhouse.

Objects.—The protection and advancement of the character, status, and interests of solicitors practising at Hull, and the improvement of the law and its administration.

Offices.—Hall of the Society, Bowlalley Lane, Hull.

Meetings.—Annual, in November.

Membership.—Solicitors, £3, 3s. Number of members, 75.

LIVERPOOL INCORPORATED LAW SOCIETY.

Officers.—*President:* John Hughes, J.P.

Treasurer: George Mason. *Secretary:* Frederic Marton Hull, B.A.

Objects.—The formation and maintenance of a law library; the protection of the character, status, and interests of solicitors in Liverpool; the consideration of all general questions affecting the interests of the profession, or the alteration or administration of the laws.

Offices.—13 Union Court, Liverpool. Library is open from 10 to 6, and contains all the best text-books, digests, reports, and foreign and continental law-books.

Meetings.—125 meetings of the Committee and Sub-Committees during the year, in connection with the various branches of the law.

Membership.—Subscription, £3, 3s. per annum. Number of members, 281.

Communications should be sent to the Hon. Secretary.

LIVERPOOL LAW STUDENTS' ASSOCIATION.

(FOUNDED 1876.)

Officers.—*President:* E. Harvey. *Treasurer:* C. B. Wilson.

Secretary: J. C. Bromfield, Bank Buildings, Fenwick Street.

Meetings at Law Library, Union Court, on alternate Mondays, from October to May.

Membership.—Entrance fee, 5s.; subscription, 5s. Number of members, 612.

NOTTINGHAM LAW STUDENTS' SOCIETY.

(*Founded* 1867 *as* "*The Nottingham Articled Clerks' Society;*" *name changed in* 1876.)

Officers.—*President:* B. Dowson.
Treasurer: D'O. S. Ransom. *Secretary:* W. H. Facon.

Objects.—(1) The advancement of its members in the knowledge of the law; (2) the cultivation of public speaking and argument; (3) the promotion of the general interests of the students and members of the legal profession.

Meetings.—Every Friday, at 7.30 P.M., from September to April.

Membership.—Candidates for membership, whether honorary or ordinary, must be proposed and seconded and balloted for. Number of members, 116.

WORCESTER & WORCESTERSHIRE INCORPORATED LAW SOCIETY. (FOUNDED 1841, INCORPORATED 1882.)

Officers.—*President:* William Price Hughes.
Treasurer: Edward Amphlett Davis. *Secretary:* Francis Ronald Jeffery.

Objects.—The protection of the interests of the legal profession generally, the promotion of honourable practice, the consideration of all questions affecting the profession, and the maintenance of a law library.

Offices.—Library, 7 Pierpoint Street, Worcester. Open from 10 to 4 P.M.

Meetings.—Half-yearly, in January and July.

Membership.—Solicitors who have been in practice in Worcester, or within 25 miles of it, not less than two years prior to election. Number of members, 59.

SCOTLAND.

JURIDICAL SOCIETY OF EDINBURGH.

Officers.—*Presidents:* George Bryce, R. D. Urquhart, and John Chisholm.
Treasurer: Ninian J. Finlay. *Secretary:* W. D. Lyell.

Objects.—Advancement of law, and the pursuit of general literature.

Offices.—40 Charlotte Square, comprising a law library, meeting hall, &c.

Meetings.—Wednesday evenings during session.

Membership.—Candidates must be members of the Bar or of the Society of Writers to H.M. Signet.

GLASGOW JURIDICAL SOCIETY,
160 WEST GEORGE STREET.

No information.

GLASGOW LEGAL & SPECULATIVE SOCIETY.

(INSTITUTED 1852.)

Officers.—*President:* H. A. Roxburgh, LL.B.

Treasurer: M. P. Fraser, LL.B. *Secretary:* T. M. Stewart, LL.B.

Object.—To debate and read essays in order to promote the legal and general knowledge of members, the habit of self-possession, and the cultivation of fluency and accuracy in the expression of ideas.

Offices.—Faculty Hall, St George's Place.

Meetings.—Every Monday at 8.15 P.M. during the winter session, from October to April inclusive, excepting two Mondays during the Christmas recess. Members may introduce a visitor.

Membership.—Members must be engaged in the practice or study of law, and not under eighteen years of age. Entrance fee, 10s. 6d.; subscription, 5s. Candidates are elected by ballot. Number of members, 132.

SECTION XI.

MEDICINE.

LONDON.

THE MEDICAL SOCIETY OF LONDON.

(FOUNDED 1773.)

Officers.—*President:* Sir Joseph Fayrer, K.C.S.I., F.R.S.S. L. and E., M.D., &c. *Treasurer:* Dr A. Wiltshire. *Hon. Secretaries:* Dr Owen and A. P. Gould, F.R.C.S. *Foreign Secretary:* Sir W. MacCormac, F.R.C.S.

Offices.—11 Chandos Street, Cavendish Square.

Meetings at 8 P.M., every Monday, from October to May.

Membership.—London fellows—entrance fee, £1, 1s.; subscription, £1, 1s.; country fellows—entrance fee, 10s. 6d.; subscription, 10s. 6d. The Fothergillian gold medal is offered yearly for the best dissertation on a given subject.

ROYAL MEDICAL AND CHIRURGICAL SOCIETY.

(FOUNDED 1805, CHARTERED 1834.)

Officers.—*President:* John Marshall, F.R.S. *Treasurers:* Dr Radcliffe and J. Cooper Forster, F.R.C.S. *Secretaries:* Dr Douglas Powell and Mr Berkeley Hill, F.R.C.S.

Offices.—53 Berners Street, W. The library contains over 34,000 vols. Town fellows may take out books.

Meetings at 8 P.M., on second and fourth Tuesdays in the month, from October to June.

Membership.—Names of candidates must be suspended in the library for at least one month before election, which takes place by ballot. Entrance fee, £6, 6s.; town fellows' subscription, £3, 3s.; country fellows free.

Communications.—A volume of *Transactions* is published yearly, and *Proceedings* from time to time. Non-members may subscribe separately for the *Proceedings*; annual payment, 5s.

BRITISH MEDICAL ASSOCIATION.

(FOUNDED 1832.)

Officers.—*President:* A. T. H. Waters, M.D., F.R.C.P., Liverpool. *President of Council:* C. G. Wheelhouse, F.R.C.S. *Treasurer:* W. F. Wane, F.R.C.P., Birmingham. *General Secretary:* Francis Fowke.

Objects.—The promotion of medical and the allied sciences, and the maintenance of the home interests of the medical profession by periodical meetings,

by publication of a *Journal, Transactions*, &c., by the grant of money for the promotion of the above sciences, &c.

Offices.—161A Strand, open 9 to 6.

Meetings.—Annual meetings, at end of July or beginning of August, held for four days in one of the principal towns of the United Kingdom.

Membership.—Members sign form of agreement, which must also be signed by three members personally known to the candidate. Subscription, £1, 1s. Number of members over 11,000.

Committees are engaged on the following subjects:—Medical Reform, Parliamentary Bills, Scientific Grants, and Control of Habitual Drunkards.

Communications.—The *British Medical Journal*, published weekly, at 161A Strand, is the organ of the Association.

Branches.—There are between thirty and forty home and colonial branches, as follows:—*Aberdeen, Banff, and Kincardine*—Dr Garden, Aberdeen; *Adelaide and South Australia*—W. S. Cleland, Adelaide; *Bath and Bristol*—Dr Skerritt, Bristol, and R. J. H. Scott, Bath; *Birmingham and Midland Counties*—E. Richards, Birmingham; *Border Counties*—W. Russell, Carlisle; *Cambridge and Huntingdon*—B. Anningson, Cambridge; *Dorset and West Hants*—Dr Lush, Weymouth; *Dublin*—Dr Duffey, Dublin; *East Anglian*—Dr Elliston, Ipswich; *East York and North Lincoln District*—E. T. Hardey, Hull; *Edinburgh, Fife, and Lothian*—C. E. Underhill, Edinburgh; *Glasgow and West of Scotland*—Dr Christie, Glasgow; *Gloucester*—Dr Batten, Gloucester; *Jamaica*—M. Stern, Kingston; *Lancashire and Cheshire*—Dr Glasscott, Manchester; *Metropolitan Counties*—Dr Grigg, 6 Curzon Street, W.; *Midland*—Dr Marshall, Nottingham; *North of England*—Dr Drummond, Newcastle; *North of Ireland*—Dr Dempsey, Belfast; *Northern Counties (Scotland)*—Dr Mackay, Elgin; *North Wales*—J. Roberts, Denbigh; *Shropshire and Mid-Wales*—E. Cureton, Shrewsbury; *South-Eastern*—Dr Parsons, Dover; *South of Ireland*—Dr Atkins, Cork; *South Midland*—G. Smith, Northampton; *South Wales and Monmouthshire*—D. A. Davies, Swansea; *South-Western*—Dr Rees-Phillipps, Exeter; *Southern*—Dr Ward Cousins, Southsea; *Staffordshire*—V. Jackson, Wolverhampton; *Sydney and New South Wales*—Dr Milford, Sydney; *Thames Valley*—Dr Law, Richmond; *West of Ireland*—Dr Lynham, Galway; *Victorian*—Dr Henry, Melbourne; *West Somerset*—Dr Kelly, Taunton; *Worcestershire and Herefordshire*—Dr Roden, Droitwich; *Yorkshire*—A. Jackson, Sheffield.

ASSOCIATION FOR THE ADVANCEMENT OF MEDICINE BY RESEARCH. (Founded 1882).

Officers.—*President of Committee:* Sir J. Paget, Bart., F.R.S. *Treasurer:* Dr Wilks. *Secretary:* C. T. Dent, F.R.C.S., 19 Savile Row, W.

ABERNETHIAN SOCIETY. (Founded 1795.)

Officers.—*Presidents:* Dr Collins and J. W. Shore. *Treasurer:* W. S. Savory, F.R.S. *Hon. Secretaries:* C. P. Crouch and A. Lyndon.

Object.—To read and discuss papers on subjects of medical science or practice.

Offices.—St Bartholomew's Hospital. There is a reading room supplied with newspapers and periodicals.

Meetings.—Every Thursday evening during the winter session, commencing in October. Members may introduce one friend, who may take part in the discussion.

Membership.—Candidates, who must have been connected with St Bartholomew's Hospital, are proposed and seconded by two members, and balloted for. Subscription, £1, 1. Number of members, 341.

Communications.—Papers (by members only) must be confined to subjects relating to the science and practice of medicine, and read by the author. A copy to be deposited with the Secretaries for publication.

APOTHECARIES' SOCIETY,
WATER LANE, BLACKFRIARS.

No information.

CLINICAL SOCIETY OF LONDON.
(FOUNDED 1867.)

Officers.—*President:* Sir Andrew Clark, M.D. *Treasurer:* Christopher Heath, F.R.C.S. *Hon. Secretaries:* Dr Coupland and J. W. Haward, F.R.C.S.

Offices.—53 Berners Street, W.

Meetings at 8.30 P.M., on second and fourth Fridays in the month, from October to May.

Membership.—Admission, £2, 2s., including first year's subscription.

EPIDEMIOLOGICAL SOCIETY OF LONDON.
(FOUNDED 1850.)

Officers.—*President:* Norman Chevers, C.I.E., M.D. *Treasurer:* R. Thorne Thorne, M.B. *Secretaries:* Shirley F. Murphy and Charles E. Paget.

Objects.—To promote (*a*) the study of epidemic diseases, and the different conditions of life which favour their development or influence their character; and (*b*) the sanitary and hygienic measures best fitted to check, mitigate, or prevent them.

Offices.—Apply to Mr Shirley Murphy, 158 Camden Road, N.W.

Meetings held at 11 Chandos Street, Cavendish Square, W., on the second Wednesday of each month, from November to July inclusive. Every member may introduce two visitors, but the same person shall not be introduced more than twice during one year.

Membership.—Candidates are proposed by three members (one from personal knowledge), and balloted for. Subscription, £1, 1s. Corresponding and honorary members are elected on the recommendation of the Council, and pay no subscription. The Society has distinct Secretaries for the Army and Navy, and for various foreign countries and colonies, and gives special attention to epidemic diseases in such countries. Number of members over 200.

Communications, if approved by the Council, are read at meetings, and printed in the Society's *Transactions.*

HARVEIAN SOCIETY OF LONDON.
(FOUNDED 1831.)

Officers.—*President:* Dr Symes Thompson. *Treasurer:* Dr Buzzard. *Hon. Secretaries:* W. H. Lamb, M.R.C.S.; and J. E. Lane, M.R.C.S.

Offices.—Stafford Rooms, Tichborne Street, W.

Meetings at 8.30 P.M., on first and third Thursdays in the month, from October to May.

THE HOSPITALS' ASSOCIATION.

Officers.—*Vice-Presidents:* Lord Aberdare; Sir J. Fowell Buxton, Bart.; Sir Andrew Clark, Bart., M.D.; Major Ross, M.P. *Treasurer:* J. H. Buxton. *Secretary:* J. L. Clifford Smith.

Objects.—(1) To facilitate the consideration and discussion of matters connected with hospital management; and, where advisable, to take measures to further the decisions arrived at; and (2), to afford opportunities for the acquisition of a knowledge of hospital administration, both lay and medical.

Offices.—1 Adam Street, Adelphi, W.C.

Meetings.—Third Wednesdays in each month, from October to May, at 8 P.M., at the rooms of the Medical Society of London, 11 Chandos Street, Cavendish Square, W.

Membership.—Members may be either ladies or gentlemen, and are elected by the Council. Subscription, £1, 1s.; associates, 10s. 6d.

HUNTERIAN SOCIETY. (FOUNDED 1819.)

Officers.—*President:* R. Fowler.

Secretaries: G. E. Herman, M.B., and Charters J. Symonds.

Object.—The cultivation and promotion of the science and practice of medicine.

Offices.—London Institution, Finsbury Circus, E.C. Library, of which the Sub-Librarian is the custodian, contains about 3000 volumes; the Society also subscribes to Lewis's Medical Library.

Meetings.—Second and fourth Wednesday in each month from October to April inclusive, at 8 P.M. Held at the London Institution, Finsbury Circus, E.C.

Membership.—Members must be qualified medical practitioners. Each must be proposed by at least two members from personal knowledge, and be elected by ballot. Number of members about 140.

Communications are read and discussed at the Society's meetings, and abstracts thereof printed in the Annual Report; but no communication may be printed or otherwise used without the sanction of the author or Council.

SOCIETY OF MEDICAL OFFICERS OF HEALTH.

(FOUNDED 1856.)

Officers.—*President:* Dr Dudfield. *Treasurer:* S. R. Lovett, L.R.C.P. Edin. *Hon. Secretaries:* Dr J. N. Vivien (St John's, Southwark) and S. F. Murphy, M.R.C.S. (158 Camden Road, N.W.).

Objects.—Mutual assistance, and the advancement of sanitary science.

Offices.—Apply to the Hon. Secretaries as above.

Meetings at 1 Adam Street, Adelphi, at 7.30 P.M., on the third Friday in the month, from October to May.

Membership.—Past and present officers of health are eligible to become ordinary members. There are also honorary members and associates. Subscription—metropolitan members, £1; extra metropolitan, 10s.

MEDICO-PSYCHOLOGICAL ASSOCIATION.

(FOUNDED 1841.)

Officers.—*President:* Dr Orange.

Treasurer: Dr Paul. *General Secretary:* Dr Rayner.

Objects.—The improvement of asylums and hospitals for the insane, and the acquisition and diffusion of a more extended knowledge of insanity and its treatment.

Offices.—Apply to the Secretary, Hanwell Asylum, W.

Meetings held quarterly in London or elsewhere.

Membership.—Candidates must be medical practitioners interested in the objects of the Society. They are elected by ballot, and pay a subscription of £1, 1s.

OBSTETRICAL SOCIETY OF LONDON.

(FOUNDED 1858.)

Officers.—*President:* Henry Gervis, M.D. *Treasurer:* Jno. B. Potter, M.D. *Hon. Secretaries:* G. Ernest Herman, M.B., and F. H. Champneys, M.B.

Objects.—The promotion of knowledge in all that relates to obstetrics and the diseases of women and children.

Offices.—53 Berners Street, W. Hours, Monday to Friday, 1.30 to 6 P.M.; on Saturdays, 9 to 11 A.M. Library of between 3000 and 4000 vols.

Meetings.—At 8 P.M., on the first Wednesday in the month, from October to July.

Membership.—Medical men holding British registrable qualification. Subscription, 21s.; life composition fee, £10, 10s. Number of fellows, 700.

Communications.—Papers must be deposited with one of the Hon. Secretaries a fortnight before the meeting at which they are read. Abstracts should be furnished with them.

ODONTOLOGICAL SOCIETY,

40 LEICESTER SQUARE.

No information.

OPHTHALMOLOGICAL SOCIETY OF THE UNITED KINGDOM. (FOUNDED 1880.)

Officers.—*President:* Jonathan Hutchinson, F.R.S., F.R.C.S. *Treasurer:* J. F. Streatfield, F.R.C.S. *Secretaries:* Dr J. Abercrombie (39 Welbeck Street, W.) and Dr W. A. Brailey (16 Orchard Street, W.).

Offices.—Apply to the Secretaries as above.

Meetings held at 11 Chandos Street, Cavendish Square, at 8.30, on second Thursday in the month, from October to May (excluding February), and first Thursday in June.

Membership.—Candidates are proposed at one meeting and balloted for at the next). Entrance fee, £1, 1s.; subscription, £1, 1s.

PARKES' MUSEUM.

(FOUNDED 1876.)

Officers.—*Treasurer:* M. Berkeley Hill, M.B., F.R.C.S.
Secretary: E. White Wallis, F.S.S., F.M.S.

Object.—To encourage the scientific investigation and practical study of all matters relating to health, whether of the individual or of communities, and to diffuse this knowledge widely.

Offices.—Museum, 74A Margaret Street, W. The museum consists of an

exhibition hall, a library (containing works of reference, blue-books, and reports), and a reading-room supplied with English and foreign periodicals.

Membership.—Members are elected by the Council without entrance fee. Qualification for life membership, a donation of £10, 10s; for annual membership, a subscription of £1, 1s. Number of members, 250. Lectures are given at the invitation of the Council.

PUBLIC ANALYSTS' SOCIETY,

37 LOMBARD STREET.

No information.

POOR LAW MEDICAL OFFICERS ASSOCIATION.

Officers.—*President:* Sir Trevor Lawrence, Bart., M.P. *Chairman of Council:* Dr J. Rogers. *Treasurer:* C. M. Frost, F.R.C.S. *Hon. Secretary:* J. Wickham Barnes, F.R.C.S.

Objects.—To discuss all defects in the poor law medical service, with a view to their removal or amelioration.

Offices.—Apply to the Hon. Secretary.

Meetings held at 3 Bolt Court, on the first Tuesday in the month, at 7 P.M.

Membership is ordinary and honorary. Subscription, 5s.

SANITARY INSTITUTE OF GREAT BRITAIN.

(FOUNDED 1876.)

Officers.—*President:* The Duke of Northumberland.

Treasurer: Lord Braye. *Secretary:* E. White Wallis, F.S.S., F.M.S.

Objects.—To advance sanitary science by diffusing the knowledge relating to it; and to examine and grant certificates of competence to local surveyors and inspectors of nuisances.

Offices.—74A Margaret Street, W. The library contains about 250 vols., mostly works of reference.

Meetings.—Annual meeting in May; examinations for local surveyors and inspectors of nuisances in June and November. The anniversary meeting takes place in July, and an annual congress is held at an important provincial town in the autumn.

Membership.—Members are elected by ballot by the Council. Entrance fee, £3, 3s.; subscription, £2, 2s.; life composition, £10, 10s. Medical men holding certificates in sanitary science from any university or medical corporation are entitled to membership without payment of entrance fee. Associates pay £2, 2s. on admission, and subscription £1, 1s. Number of members, 400.

Committees.—The Council appoint Examiners in Medicine, Chemistry, Sanitary Science, Engineering, Architecture, and Sanitary Jurisprudence.

Communications and papers are subject to the approval of the Reference Committee.

NATIONAL SMOKE ABATEMENT INSTITUTION.

Officers.—*President:* The Duke of Westminster, K.G.

Chairman of Council: Ernest Hart. *Secretary:* E. White Wallis, F.S.S., F.M.S.

Objects.—The abatement of coal smoke and other noxious products of combustion, in order to render the atmosphere as pure and as pervious to sunlight as

possible. To check the present serious waste of coal, and to encourage improvements in the production and application of heating and lighting.

Offices and exhibition of apparatus, 74A Margaret Street, W.

Membership is constituted by a subscription of £1, 1s. and upwards. Number of members, 100.

ASSOCIATION OF SURGEONS PRACTISING DENTAL SURGERY. (Founded 1876).

Officers.—*President:* S. Cartwright, F.R.C.S. *Treasurer:* S. H. Cartwright, M.R.C.S., D.D.S. New York. *Hon. Secretary:* J. H. Craigie, M.R.C.S.

Offices.—11 Chandos Street, Cavendish Square.

Meetings at 8.30 P.M., on the third Wednesday of the month, from November to May.

NEW SYDENHAM SOCIETY. (Founded 1858.)

Officers.—*President:* D. Bowman, F.R.S. *Treasurer:* Dr Saunders. *Hon. Secretary:* Jonathan Hutchinson, F.R.S., F.R.C.S.

Objects.—To edit and translate foreign medical works and papers, and to reproduce British works and papers which are out of print, &c.

Offices.—Apply to the Hon. Secretary, 15 Cavendish Square. Local Hon. Secretaries are appointed.

BRITISH MEDICAL TEMPERANCE ASSOCIATION.

(Founded 1807).

Officers.—*President:* Dr B. W. Richardson, F.R.S.
Hon. Secretary: Dr J. J. Ridge.

Object.—To advance the practice of total abstinence in and through the medical profession, and to promote investigation as to the action of alcohol in health and disease.

Offices.—Address the Hon. Secretary, Carlton House, Enfield, Middlesex.

Meetings.—Quarterly, in London, for the reading and discussion of papers.

Membership.—Every registered British medical practitioner who is an abstainer is eligible. A form of undertaking, valid during membership, is required, and a minimum subscription of 5s. annually. Associates are medical students, total abstainers. Members are at liberty to prescribe alcohol as a medicine. Number of associates, 22; of members, 280.

Communications.—The *Medical Temperance Journal*, published quarterly, as the organ of the Society.

GUY'S PUPILS' PHYSICAL SOCIETY.

(*Founded* 1830, *in continuance of the "Physical Society," founded* 1786.)

Officers.—*Presidents:* G. E. C. Anderson and others.
Hon. Secretaries: R. E. Carrington and W. Hale White.

Object.—Discussion of medical and surgical subjects.

Offices.—Guy's Hospital.

Meetings.—Fortnightly during the winter medical session.

Membership.—Members must be students of Guy's Hospital. Number of members, 250.

KING'S COLLEGE MEDICAL SOCIETY.

(FOUNDED 1833.)

Officers.—*President:* Prof. S. Hamilton Cartwright, M.R.C.S.

Treasurer: E. Hasell. *Secretaries:* R. C. Priestley and E. H. Smith.

Objects.—The cultivation of medicine and the auxiliary sciences, by original research and observation, and by promoting friendship and co-operation among those engaged in the pursuit of these sciences.

Meetings.—On alternate Thursdays during the winter session, when microscopical demonstrations are given.

Membership.—Students in the medical department of King's College are eligible. A candidate must signify his wish to the Secretary, and is balloted for at the ensuing meeting. Subscription, £1, 1s. Number of members about 500.

ISLINGTON MEDICAL SOCIETY.

(FOUNDED 1850.)

Officer.—*Hon. Secretary:* Dr Reid, 29 Canonbury Park, N.

Meetings are held in rotation at the houses of the members, on the fourth Tuesday of the month, from October to May.

WEST KENT MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1856.)

Officers.—*President:* A. Forsyth, M.D.

Treasurer: P. Purvis, M.D. *Secretary:* H. W. Roberts, M.R.C.S.

Offices.—Apply to the Secretary, Ashdown Villa, Wickham Terrace, Lewisham High Road, S.E.

Meetings held at the Royal Kent Dispensary, Greenwich Road, on first Friday of the month, from October to May, at 8 P.M.

Membership.—The Society consists of honorary and subscribing members.

LONDON HOSPITAL MEDICAL SOCIETY.

Officers.—*President:* Walter Rivington, M.S., F.R.C.S.

Treasurer: F. Warner, M.D., F.R.C.P. *Secretary:* G. W. Richards.

Objects.—Reading and discussion of papers on medical, scientific, and literary subjects.

Meetings fortnightly during winter session, in the Hospital Library, at 7 P.M.

Membership is confined to past and present students.

WEST LONDON MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1882.)

Officers.—*President:* J. S. Thudichum, M.D.

Secretaries: C. B. Keetley, F.R.C.S., and H. Hendley, M.R.C.S.

Offices.—Apply to the Secretary, West London Hospital.

Meetings are held on the first Friday in the month, from October to March.

ST MARY'S HOSPITAL MEDICAL SOCIETY, LONDON.

Officers.—*President:* H. W. Page, M.A., F.R.C.S.

Treasurer: W. Maloney. *Secretaries:* G. W. Hill, B.Sc.; and C. H. Hale.

Offices.—The Library, St Mary's Hospital.

Meetings.—Fortnightly, from October to March.

MIDDLESEX HOSPITAL MEDICAL SOCIETY.

(FOUNDED 1774.)

Officers.—*President:* Dr Edis.

Treasurer: B. Lawson. *Secretary:* C. L. Hudson.

Objects.—The production of original papers, and discussion by the students.

Meetings held in the Hospital on alternate Thursdays during the winter session, at 8 P.M.

SYDENHAM DISTRICT MEDICAL SOCIETY.

(FOUNDED 1866.)

Officers.—*President:* G. T. E. Wilkinson, L.R.C.P.

Treasurer: G. C. Parnell, M.R.C.S. *Secretary:* H. Hetley, M.D.

Objects.—To discuss subjects of professional interest.

Offices.—Apply to the Hon. Secretary, Greystoke, Church Road, Upper Norwood, S.E.

Meetings held monthly in the houses of the members of the committee.

Membership.—Number of members, 22.

ST THOMAS' HOSPITAL MEDICAL AND PHYSICAL SOCIETY.

Officers.—*President:* H. H. Clutton, F.R.C.S.

Treasurer: H. P. Hawkins. *Secretary:* H. M. Milton.

Objects.—Discussion of scientific subjects by the junior staff and students of St Thomas' Hospital.

Meetings.—St Thomas' Hospital Library, 8 P.M., every second and fourth Thursday of the winter session.

UNIVERSITY COLLEGE MEDICAL SOCIETY.

(FOUNDED 1828.)

Officers.—*President:* H. Murray, M.R.C.S.

Treasurer: T. G. Penrose. *Secretaries:* J. Carr and E. Thane.

Objects.—To read and discuss papers, and exhibit specimens of interest.

Offices.—The library contains about 1000 vols., and various useful professional collections. There is a reading-room.

Meetings held in the Medical Library, at 7 P.M., throughout the winter session.

COUNTRY.

BATH PATHOLOGICAL AND CLINICAL SOCIETY.

(FOUNDED 1864.)

Officers.—*President:* E. Field, M.D. *Hon. Secretary:* 38 Gay Street.

Meetings held at Royal United Hospital, at 8 P.M., on second Tuesday in the month, from October to April.

BIRMINGHAM AND MIDLAND ASSOCIATION OF MEDICAL OFFICERS OF HEALTH. (Founded 1821.)

Officers.—*President:* G. Fosbroke, M.R.C.S. *Treasurer:* A. B. Hill, M.D. *Hon. Secretary:* H. May, L.R.C.P., M.R.C.S., 37 Birchfield Road.

Meetings are held quarterly, at 3 P.M., at the Council House.

BIRMINGHAM QUEEN'S COLLEGE MEDICAL SOCIETY. (Founded 1877.)

Officers.—*President:* Dr Simon. *Hon. Secretaries:* T. Nelson, M.B. (General Dispensary), and J. Edwards (Malton Villa, Balsale, Heath Road, Edgbaston).

Offices.—Apply to the Hon. Secretaries as above.

Meetings held twice monthly in the library of Queen's College, at 8 P.M.

BOLTON MEDICAL SOCIETY.

No information.

BOURNEMOUTH MEDICAL SOCIETY.

(Founded 1874.)

Officers.—*President:* P. W. G. Nunn, M.R.C.S., L.R.C.P. *Secretary:* G. L. Mahomed, M.R.C.S., L.S.A.

Objects.—(1) Social, (2) advancement of professional knowledge, (3) the furtherance of sanitary and medical affairs connected with the development of the town.

Offices.—Meeting place, Board Room of the Town Hall. Library at the Dispensary.

Meetings.—Three or more during the year, for discussion, papers, &c.

Membership.—Election by ballot. Subscription for members resident in town, £1, 1s.; for surrounding districts, 5s. Number of members about 40.

BRADFORD MEDICO-CHIRURGICAL SOCIETY.

(Founded 1863.)

Officers.—*President:* W. H. Ellis, M.R.C.S. *Treasurer:* T. C. Denby, M.R.C.S. *Secretary:* D. Goyder, M.D.

Object.—To study and discuss medical and surgical subjects.

Offices.—Library (mainly professional) of 2150 vols., open to all medical practitioners in Bradford, on payment of 10s. 6d. a year. Apply to the House Physician at the Infirmary.

Meetings.—On the first Tuesday of every month, except July, Aug., and Sept.

Membership.—Registered practitioners resident in Bradford are eligible; election by ballot. Number of members, 75, including hon. members.

Communications.—Members, or other medical practitioners through them, exhibit and read.

BRIGHTON AND SUSSEX MEDICO-CHIRURGICAL SOCIETY. (Founded 1847.)

Officers.—*President:* Dr Ainslie Hollis. *Treasurer:* G. F. Hodgson, M.R.C.S. *Hon. Secretaries:* Dr Arthur Nicholson and Douglas Giffard, M.R.C.S.

Offices.—Queen's Road Dispensary. There is a library.

Meetings monthly.

Membership.—Entrance fee, £1, 1s.; subscription, £1, 1s. or 10s. 6d. Number of members about 80.

BRISTOL MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1874.)

Officers.—*President:* Dr W. Johnstone Fyffe.

Treasurer and *Secretary:* Dr R. Shingleton Smith.

Objects.—Reading and discussion of papers, exhibition of specimens, cases, &c.

Offices.—Bristol Museum and Library. (No library.)

Meetings.—The second Wednesday in each month, at 8 P.M. from Oct. to May.

Membership.—Candidates must be registered medical practitioners. Subscription, 10s. 6d. per annum. Number of members, 94.

Communications.—The Society publishes a quarterly *Journal.*

CAMBRIDGE MEDICAL SOCIETY.

(FOUNDED 1880.)

Officers.—*President:* G. M. Humphry, M.D., F.R.S.

Treasurer and *Secretary:* Laurence Humphry, M.A., M.B.

Object.—To promote medical science.

Offices.—Anatomical Museum. (No library.)

Meetings.—First Friday in every month, except September. Alternate afternoon and evening meetings.

Membership.—Registered members of the medical profession. Subscription, 5s. Number of members, 64.

Communications.—Annual Report issued in February. Monthly Report published in *Lancet* and *British Medical Journal.*

CARDIFF MEDICAL SOCIETY.

(FOUNDED 1870.)

Officers.—*President:* W. Price, L.R.C.P., M.R.C.S.

Secretary: T. G. Herder, Ash Cottage, Cockherbtown, Cardiff.

Meetings held in Glamorganshire and Monmouthshire Infirmary, on first Thursday in the Month, from October to May.

COLCHESTER MEDICAL SOCIETY.

(FOUNDED 1774; REVISION OF LAWS, 1842, 1849, 1852, 1855.)

Officers.—*Secretary:* Robert F. Symmons, M.R.C.S.

Objects.—The discussion of medical and surgical subjects, the maintenance of a library, and the cognizance of all matters connected with the medical profession.

Offices.—Address the Secretary, at Mr Clark's, 15 High Street, who is custodian of the Society's library.

Meetings have been held thrice yearly at the "Three Cups" Hotel, since 1774, without any break. Anniversary meeting in August.

Membership.—Candidates duly qualified medical men, recommended by two members from personal knowledge. Election by ballot. Entrance fee, 21s. Number of members, 33.

WEST DORSET MEDICAL ASSOCIATION.

(FOUNDED 1867.)

Officers.—*President:* G. M. Evans, M.R.C.S.
Hon. Secretary and *Treasurer:* H. E. Norris, M.R.C.S. (Sidmouth).
Meetings held quarterly and alternately at Bridport and Charmouth, at 6 P.M.

SOUTH DURHAM AND CLEVELAND MEDICAL SOCIETY. (FOUNDED 1873.)

Officers.—*President:* Dr Malcolmson. *Hon. Secretaries:* Dr Blandford (Norton) and J. R. Morison, L.R.C.P., F.R.C.S. Edin. (Hartlepool).

Meetings are held at the hospitals of the district in turn, on first Tuesday in the month, from October to May, at 6 P.M.

Membership.—Subscription, 10s. 6d.

WEST HERTFORDSHIRE MEDICAL SOCIETY, WATFORD. (FOUNDED 1844.)

Officers.—*President:* Dr Peter Hood.
Treasurer: Dr Haycraft Berry. *Secretary:* Dr A. T. Brett.

Objects.—Social intercourse among medical men.

Offices.—Apply to Dr A. T. Brett, Watford.

Meetings twice yearly, on Wednesday, in April and October.

Membership.—Registered practitioners are eligible. Number of members, 21.

HUDDERSFIELD MEDICAL ASSOCIATION.

(FOUNDED 1780.)

Officers.—*President:* T. Brewer, M.R.C.S.
Hon. Secretary: J. S. Cameron, M.D., 51 New North Road.

Meetings held at the Infirmary on the first Tuesday in every second month. There is a library, founded 1814.

JERSEY MEDICAL SOCIETY.

(FOUNDED 1874.)

Officers.—*Treasurer* and *Secretary:* Dr A. Le Rossignol, 17 David Place, St Heliers.

Meetings held in members' houses, in rotation, at 7.30 P.M., on first Thursday in the month.

EAST KENT AND CANTERBURY MEDICAL SOCIETY.

(FOUNDED 1849.)

Officers.—*President:* T. W. Reid, M.R.C.P., M.R.C.S.
Treasurer and *Hon. Secretary:* B. Rigden, M.R.C.S.

Objects.—To read papers on medical science.

Offices.—Apply to the Hon. Secretary, Burgate Street, Canterbury. The library contains over 2000 vols.

Meetings.—Four annually in Canterbury or neighbouring towns. Monthly meetings at the houses of city members.

LEEDS AND WEST RIDING MEDICAL CHIRURGICAL SOCIETY. (Founded 1872.)

Officers.—*President:* Dr Bell (Bradford).

Treas.: Dr T. C. Allbutt. *Secretaries:* Dr Jacob and Mr Robson (Hilary Place).

Meetings are held at Leeds General Infirmary on first Friday of the month, at 7.30, from October to May.

Membership.—Number of members, 224.

LEICESTER MEDICAL SOCIETY.

Officers.—*President:* Dr Marriott.

Secretary: G. C. Franklin, L.R.C.P., F.R.C.S. (5 Welford Road).

Meetings are held at 5 Gallowtree Gate, on first Friday in the month, from October to April.

LINCOLN MEDICAL SOCIETY.

(Founded 1863.)

Officers.—*President:* G. Mitchinson, M.K.Q.C.P., M.R.C.S.

Hon. Secretary: W. A. Carline, M.D. (Lincoln).

Office.—100 King Street.

Meetings are held twice a year to read and discuss papers.

LIVERPOOL INCORPORATED MEDICAL SOCIETY, 29 HOPE STREET.

No information.

LIVERPOOL MEDICAL INSTITUTION.

(Founded 1838.)

Officers.—*President:* Dr Robert Gee.

Treasurer: Dr James Barr. *Gen. Secretary:* Dr W. Alexander.

Objects.—The cultivation of medicine, surgery, and the collateral branches of science; and the maintenance of a library.

Offices.—114 Mound, Pleasance.

Meetings.—Every alternate Thursday, from October to April inclusive, to discuss, read, and exhibit specimens.

Membership.—Persons qualified under the Medical Act are admitted. Number of members, 210.

MANCHESTER MEDICAL SOCIETY.

(Founded 1834.)

Officers.—*President:* Dr Leech.

Treasurer: Dr Little. *Secretary:* Dr C. J. Cullingworth.

Objects.—To establish a medical library and reading room, and to hold occasional meetings for the advancement of medical science.

Offices.—Owens College, Manchester, where there is a library of about 27,816 vols., and a reading room supplied with periodicals, English and foreign. Members are allowed to take out books.

Meetings.—Annual meeting on the second Wednesday in January. Ordinary meetings on the first Wednesday of each month (except January) from October to April inclusive.

Membership.—Ordinary members must be persons qualified under the Medical Act, and are elected by ballot. Subscription, £2, 2s. for those residing within three miles from the centre of Manchester, and £1, 1s. for members beyond this area. Hon. members are nominated by the Committee. Number of members, 256.

MANCHESTER MEDICAL SOCIETY, MICROSCOPICAL SECTION. (Founded 1879.)

Officers.—*President:* Dr H. Ashby.
Treasurer: Dr J. S. Bury. *Secretary:* A. H. Young, M.B.

Objects.—The exibition of morbid and normal specimens, illustrated by microscopical preparations; and the reading of papers on these and other matters connected with microscopy.

Offices.—Apply to the Secretary, 96 Mosley Street, Manchester.

Meetings.—Monthly during the winter session.

Membership.—Members of the Manchester Medical Society. Number on the roll about 50.

MANCHESTER AND SALFORD SANITARY ASSOCIATION. (Founded 1852.)

Officers.—*Chairman:* Dr A. Ransome.
Treasurer: O. Heywood. *Hon. Secretary:* Dr Emrys Jones.

Offices.—100 King Street.

MIDLAND MEDICAL SOCIETY.

(Founded 1848.)

Officers.—*President:* Dr G. F. Bodington. *Treasurer:* J. Harmar, M.R.C.S.
Secretaries: Dr T. F. Chavasse and Dr C. W. Suckling.

Objects.—To promote scientific and practical medicine and surgery, by addresses and papers, and by pathological and other demonstrations.

Offices.—Birmingham Medical Institute, Edmund Street, Birmingham.

Meetings.—Fortnightly, on Wednesdays, from October to May; one meeting in December and January, in the Birmingham Medical Institute.

Membership.—Members must be qualified under the Medical Act. Number of members, 337.

NEWCASTLE-UPON-TYNE CLINICAL SOCIETY.

(Founded 1813.)

Officers.—*President:* A. Wilson, L.R.C.P., F.R.C.S. Edin.
Treasurer: W. Dodd. *Hon. Secretary:* R. A. Campbell, M.B. (Westgate House).

Meetings are held on the last Wednesday in the month, from October to May.

NORTHUMBERLAND & DURHAM MEDICAL SOCIETY.

(Founded 1848.)

Officers.—*President:* Dr Arnison.
Hon. Secretary: Dr Drummond (Saville Place, Newcastle-on-Tyne).

Meetings are held in the Infirmary Library on second Tuesday in the month, from October to March, at 7.30 P.M.

Membership.—Subscription, 10s.

Communications.—Transactions are issued.

NOTTINGHAM MEDICAL-CHIRURGICAL SOCIETY.

Officers.—*President:* T. A. Stephenson, M.R.C.S.
Hon. Secretary: C. E. Stanger, L.R C.P.

The Society possesses a good library.

NORTH-WESTERN ASSOCIATION OF MEDICAL OFFICERS OF HEALTH. (FOUNDED 1875.)

Officers.—*President:* J. M. Fox, M.R.C.S. *Treasurer:* G. W. Pettinger, M.R.C.S. *Hon. Secretary:* F. Vacher, F.R.C.S., M.R.C.P. Edin.

Offices.—100 King Street, Manchester.

Meetings are held on second Thursday in the month, at 4 P.M., at the office, excepting the quarterly itinerant meetings.

NORWICH MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1867.)

Officers.—*President:* Dr Eade.
Treasurer: W. Cadge, F.R.C.S. *Hon. Secretary:* H. Turner, M.R.C.S.

Offices.—Apply to the Hon. Secretary, Bethel Street. Library contains 5000 vols.

Meetings are held in the Norfolk and Norwich Hospital Museum, on the first Tuesday in the month, at 3 P.M.

OXFORD MEDICAL-CHIRURGICAL SOCIETY.

(FOUNDED 1836.)

Officers.—*Hon. Secretary:* Dr Darbishire, High Street.

Meetings.—The Society meets twice in each term at the Radcliffe Infirmary.

PLYMOUTH MEDICAL SOCIETY.

(FOUNDED 1794.)

Officers.—*Secretary:* Dr Bampton, North Devon Place.
Treasurer: C. Whipple, L.R.C.P., M.R.C.S.

Meetings.—The Society meets at the South Devon and East Cornwall Hospital on Tuesday after quarter day, at 8 P.M.

READING PATHOLOGICAL SOCIETY.

(FOUNDED 1841.)

Officers.—*Presidents:* E. Wells, M.D., and G. May, M.D.
Hon. Secretaries: H. H. Phillips, M.D., and F. W. Sutton, M.R.C.S.

Objects.—To discuss professional subjects, and collect specimens of morbid anatomy.

Offices.—Apply to Dr Phillips, 43 London Road, Reading.

Meetings.—Monthly, on Wednesday, except in August.

Membership.—Legally qualified medical men are eligible; must be proposed, seconded, and balloted for. Annual subscription, 5s. Number of members, 67.

Communications.—Notices of papers, cases, specimens, &c., must be given a week before the meeting.

SALISBURY MEDICAL SOCIETY.

(FOUNDED 1868.)

Officers.—*President:* F. Flower, M.R.C.S. *Treasurer:* J. Kelland, L.R.C.P., L.R.C.S. Edin. *Hon. Secretary:* H. J. Manning, B.A., M.R.C.S.

Meetings held in Salisbury Infirmary on the first Wednesday in alternate month, at 4.45 P.M.

SHEFFIELD MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1869.)

Officers.—*President:* W. A. Garrard, M.R.C.S.

Treasurer: G. S. Taylor, M.R.C.S. *Secretary:* Simeon Snell, M.R.C.S.

Objects.—Reading and discussion of papers on medicine and surgery. Exhibition of clinical cases, specimens, instruments, &c.

Offices.—Apply to the Secretary, 17 Eyre Street, Sheffield.

Meetings.—On alternate Thursdays, from October to April, at 8 P.M.

Membership.—Candidates, qualified medical practitioners, must be nominated by two members at one meeting, and balloted for at the next. Number of members about 120.

Communications may be made by any member under the control of the Council. Abstracts published in the *British Medical Journal* and the *Lancet.*

SOUTHAMPTON MEDICAL SOCIETY.

(FOUNDED 1852.)

Officers.—*President:* H. Dayman, F.R.C.S.

Treasurer: Dr Scott. *Hon. Secretaries:* Drs Wade and Archer.

Meetings held at the residences of the members on the first Tuesday in the month, at 8 P.M.

SUNDERLAND MEDICAL SOCIETY.

(FOUNDED 1814.)

Officers.—*President:* G. S. Brady, M.D., F.R.S.

Secretary: T. Coke Squance, F.R.M.S.

Meetings on the first Tuesday in each month, at the houses of the members in rotation.

Membership.—Duly qualified medical men. Number of members, 16.

EAST SUSSEX MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1851.)

Officers.—*President:* D. Hoadley Gabb, M.R.C.S.

Treasurer: Dr Warwick. *Secretary:* Dr Humphreys.

Object.—The cultivation of medical and surgical science, and the maintenance of a kindly feeling amongst its members.

Offices.—Library of over 2000 vols., chiefly medical works, *Transactions*, and *Journals*. Members are allowed to borrow books. Apply to the Secretary, 16 Warrior Gardens, St Leonards.

Meetings.—At the Infirmary, on the first Tuesday of every month (except July and August).

Membership.—Candidates must be registered medical practitioners, who have resided at least 6 months in East Sussex; they are proposed and seconded, and balloted for. Entrance fee, 10s. 6d.; subscription, £1, 1s.; for members residing out of the borough of Hastings, 10s. 6d. Number of members, 36.

SWANSEA MEDICAL SOCIETY.

(FOUNDED 1876.)

Officers.—*President:* E. Davies, M.R.C.S. *Secretary:* J. Farrant (Belvoir).

Meetings on the second Friday in the month, at Swansea Hospital, at 8 P.M.

WIGAN MEDICAL SOCIETY.

(FOUNDED 1875.)

Officers.—*President:* W. C. Barnish, M.R.C.S.

Secretary and *Treasurer:* R. Prosser White, M.R.C.S.

Object.—To discuss general and local medical subjects, and to exhibit recent morbid specimens.

Membership.—Registered medical practitioners. Number of members, 30.

WOLVERHAMPTON AND DISTRICT MEDICAL SOCIETY. (FOUNDED 1878.)

Officers.—*President:* W. N. C. Newnham, M.R.C.S.

Secretaries: Dr M'Munn and Dr Lycett.

Object.—The advancement of medical knowledge, and promotion of social intercourse among the members of the medical profession.

Offices.—Bell Library, Cleveland Road, Wolverhampton.

Meetings on the first Tuesday of each month, from November to April.

YORK MEDICAL SOCIETY.

(FOUNDED 1832.)

Officers.—*President:* S. W. North, M.R.C.S. *Secretary:* F. Shann, M.R.C.S.

Object.—The advancement and diffusion of medical knowledge.

Offices.—Small library.

Meetings fortnightly, from October to May.

Membership.—Duly qualified medical practitioners. Subscription, 10s. Number of members, 35.

YORKSHIRE ASSOCIATION OF MEDICAL OFFICERS OF HEALTH, DONCASTER. (FOUNDED 1857.)

Officers.—*President:* S. W. North, M.R.C.S.

Treasurer: R. Bruce Low, M.D. *Secretary:* J. Mitchell Wilson, M.D.

Object.—To promote the progress of sanitary science; to watch the course of

legislation on subjects relating to the public health; and to afford mutual counsel and support to medical officers of health.

Offices.—Apply to Dr Wilson, 51 Hall Gate, Doncaster.

Membership.—Medical officers of health holding appointments in Yorkshire. Number of members, 57.

SCOTLAND.

ROYAL MEDICAL SOCIETY OF EDINBURGH.

(FOUNDED 1737, ROYAL CHARTER OBTAINED IN 1778.)

Officers.—*Presidents:* A. W. Hare, W. Hunter, G. Mackay, and A. H. W. Clement. *Treasurer:* J. K. Young. *Secretaries:* W. E. Home, B.Sc., and H. A. Thomson.

Objects.—To discuss medical and general questions.

Offices.—7 Melbourne Place. Library of over 20,000 medical works.

Meetings are held, at which papers are read, on Friday evenings, at 8 P.M.

Membership.—Recommendation by six members. Subscription, £2, 2s. Number of members about 120.

Communications to be sent to the Secretary.

EDINBURGH MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1821.)

Officers.—*President:* Henry D. Littlejohn, M.D., F.R.C.S. *Treasurer:* Alexander G. Miller, M.D., F.R.C.S. Edin. *Secretary:* Charles Watson MacGillivray, M.D., F.R.C.S. Edin.; and Alexander James, M.D., F.R.C.P. Edin.

Objects.—To exhibit patients, pathological specimens, and new instruments; to read and discuss original papers.

Offices.—Address the Senior Secretary, 11 Albyn Place, Edinburgh.

Meetings in the Hall of the Society of Arts, 117 George Street, on the first Wednesday of the month, at 8 P.M., from November to July inclusive, with the exception of January, when the meeting takes place on the 3rd Wednesday of the month.

Membership.—Any registered medical practitioner, proposed by one member and seconded by another, may come up for ballot. £2, 2s. entry; 5s. subscription, which includes a copy of the *Transactions.* Number of ordinary members, 258.

Communications.—Any member may read a paper, due notice having been given to the Secretary.

EDINBURGH OBSTETRICAL SOCIETY.

(FOUNDED 1840.)

Officers.—*President:* Dr J. Connel. *Treasurer:* Dr W. Craig. *Secretaries:* Dr Barbour (50 Queen Street), and Dr Murray (10 Hope Street).

Objects.—To advance obstetric medicine by papers and discussion.

Meetings at 5 St Andrew Square, on second and fourth Wednesday of every month, from November to July, at 8 P.M.

Membership.—Candidates must be qualified practitioners engaged in practice of midwifery.

ODONTO-CHIRURGICAL SOCIETY OF SCOTLAND.

Officers.—*President:* Andrew Wilson, L.D.S. *Hon. Secretary:* John S. Amore.

Object.—To promote and diffuse knowledge in matters connected with dental surgery.

Offices at 30 Chambers Street, Edinburgh, with a reading-room and library.

Meetings.—Five times yearly, on the second Thursday of November, December, January, and February. Annual meeting in March, or as the Council may direct. Each member may introduce a friend.

Membership.—Candidates are proposed, seconded, and balloted for. Number of members, 70.

ABERDEEN MEDICO-CHIRURGICAL SOCIETY.

(FOUNDED 1789.)

Officers.—*President:* Archibald Reith, M.D.
Treasurer and *Secretary:* James Rodger, M.D.

Object.—To read papers on medical or scientific subjects, and discuss subjects affecting the medical profession.

Offices.—29 King Street. Library of about 2600 vols.

Meetings on the first Thursday of each month, at 8 P.M., from November to July inclusive.

Membership.—Members must be qualified and registered medical men in Aberdeen or neighbourhood. Their nomination must be one month before the Society, and election is by ballot. Entrance fee, £3, 3s.; subscription, £1, 11s. 6d. Number of members, 48.

Communications.—All communications must be sent to the Secretary one week before the date of meeting.

BUCHAN MEDICAL ASSOCIATION.

(FOUNDED 1862.)

Officers.—*President:* Dr Blackhall. *Secretary:* Dr Jamieson, Peterhead.

CLACKMANNAN AND KINROSS-SHIRE MEDICAL ASSOCIATION. (FOUNDED 1837.)

Officers.—*President:* Dr Bell. *Secretary* and *Treasurer:* Dr J. H. Hay, Alloa.

Objects.—To advance medical science by papers and discussions on medical subjects and important cases.

FIFESHIRE MEDICAL ASSOCIATION.

(FOUNDED 1882.)

Officers.—*President:* Dr Archibald.
Treasurer: Dr Macdonald. *Secretary:* Dr Douglas, 98 Bonnygate, Cupar.

Meetings are held in May and September.

GARIOCH AND NORTHERN MEDICAL SOCIETY.

(FOUNDED 1854.)

Officers.—*President:* Dr Proctor. *Treasurer* and *Secretary:* Dr Mackie, Insch.

Meetings held twice a year to read papers and discuss scientific medical questions.

GLASGOW MEDICO-CHIRURGICAL SOCIETY.

(*Founded* 1866 *by the amalgamation of the Medical Society* (*founded* 1814) *and the Medico-Chirurgical Society, founded* 1814.)

Officers.—*President:* Dr W. T. Gairdner. *Treasurer:* Dr Hugh Thomson. *Secretaries:* Dr W. L. Reid, 7 Royal Crescent; and Dr J. W. Anderson, 4 Burn Bank Terrace, Glasgow.

Objects.—To receive communications on medicine, surgery, and the collateral sciences, and to promote professional improvement.

Offices.—Communications to be addressed to the Secretaries.

Meetings are held at 8 P.M. on first Friday in each month, from September to May, in the Hall of the Faculty of Physicians, St Vincent Street, and also on the third Friday, if thought desirable. Each member may introduce one medical visitor.

Membership.—A candidate must be a registered medical practitioner. He is proposed by two members, and balloted for. Subscription, 5s.; medical men resident out of Glasgow may be elected in the same manner as corresponding members; and gentlemen eminently distinguished for their professions, abilities, or for their attainments in general science and literature, may be elected as honorary members. Number of members about 200.

Communications are subject to the approval of the Council. They are not published.

GLASGOW PATHOLOGICAL AND CLINICAL SOCIETY. (FOUNDED 1873.)

Officers.—*President:* Dr M'Call Anderson.

Treasurer: Dr J. B. Russell. *Secretary:* Dr David Newman.

Object.—Exhibition of specimens and discussion.

Offices.—Apply to Dr Newman, 18 Woodside Place, Glasgow.

Meetings on the second Tuesday of the months from Oct. to May inclusive.

Membership.—By nomination, signed by three members, and ballot.

GLASGOW SOUTHERN MEDICAL SOCIETY.

(FOUNDED 1844.)

Officers.—*President:* Robert Park, M.D. *Secretary:* David Tindal, M.B.

Object.—(*a*) Mutual improvement of the members in professional knowledge; (*b*) mutual assistance in consultations and operations; (*c*) to maintain inviolate the professional rights of the members, and to uphold the dignity and character of any member when unworthily assailed.

Offices.—Apply to the Secretary, 24 Abbotsford Place.

Meetings every alternate Thursday, from October to May inclusive.

Membership.—Candidates must be proposed by two members, and balloted for. Number of members, 94.

GLASGOW & WEST OF SCOTLAND MEDICAL ASSOCIATION. (Founded 1868).

Officers.—*President:* Dr J. Finlayson.

Treasurer: Dr G. T. Beatson. *Secretary:* Dr Alexander Napier.

Object.—The publication and maintenance of the *Glasgow Medical Journal.*

Offices.—Apply to the Secretary, 3 Royal Terrace, Crosshill, Glasgow.

Meeting.—Annual meeting is held in January.

Membership.—Subscription of £1. Number of members under 500.

GREENOCK MEDICAL SOCIETY.

(Founded 1865.)

Officers.—*President:* Dr Paton.

Treasurer: Dr Galloway. *Secretary:* Dr Cairns, 1 Shaw Place.

Meetings held in the Society's Rooms, Kirk Street, on first Wednesday of the month, at 8.30 P.M.

NORTH OF SCOTLAND MEDICAL ASSOCIATION.

(Founded 1865.)

Officers.—*President:* Prof. John Struthers, M.D.

Hon. Secretary: James Rodger, M.D.

Objects.—To promote a friendly intercourse amongst the members, discuss questions of scientific interest, and give expression to the opinion of the profession on public questions.

Offices.—Apply to the Hon. Secretary, Golden Square, Aberdeen.

Meetings held annually, in June or July, in the Hall of the Aberdeen Medico-Chirurgical Society.

Membership.—For all members of the profession belonging to the "Aberdeen Medico-Chirurgical Society," the "Buchan Medical Society," the "Garioch and Northern Medical Association," subscription, 2s. For medical men residing in the district but not members of these Societies, subscription 2s. 6d.

Communications.—Apply to the Hon. Secretary.

PERTHSHIRE MEDICAL ASSOCIATION, PERTH.

(Founded 1879.)

Officers.—*President:* Dr J. P. Bramwell.

Treasurer: W. Gillespie, L.R.C.S. *Secretary:* James Ferguson, M.B.

Objects.—To receive and discuss communications on medicine and surgery and allied subjects, and to promote professional fellowship.

Offices.—Apply to the Secretary, 5 Charlotte Street, Perth.

Meetings on the first Friday of each month, from October to June.

Membership.—Registered medical men residing in Perthshire or an adjoining county. Number of members, 47.

Communications must be on professional topics.

SCOTTISH MIDLAND AND WESTERN MEDICAL ASSOCIATION. (Founded 1872.)

Officers.—*President:* Dr Longmuir. *Secretary:* Dr Crawford.

Objects.—The preservation of the rights and advancement of the interests of

the medical profession; the promotion of good fellowship and social intercourse amongst the members; the cultivation of medical, surgical, and sanitary science.

Offices.—Apply to the Secretary, Hamilton.

Meetings.—Annual general meeting in October, at Glasgow. Special meetings called when agreed on.

Membership.—All registered medical practitioners resident in the counties of Lanark, Renfrew, Ayr, Dumbarton, Stirling, Linlithgow, and Clackmannan are eligible on recommendation of two members. Number of members, 50.

Communications.—Title of paper to be sent previously to the Secretary.

IRELAND.

ACADEMY OF MEDICINE IN IRELAND.

(FOUNDED 1882.)

Officers.—*President:* W. Moore, M.D.
General Secretary: W. Thomson, M.D., F.R.C.S.

Object.—The advancement of medical science.

Offices.—Address the General Secretary, 34 Harcourt St., Dublin.

Meetings.—Every Friday, at 8 P.M. (with special exceptions), from Nov. to May, at either the Hall of the College of Surgeons or of the College of Physicians.

Membership.—Fellows of the King and Queen's College of Physicians in Ireland, and of the Royal College of Surgeons in Ireland, are admitted as Fellows without ballot. Other candidates for fellowship, being registered medical practitioners (not directly or indirectly concerned in the sale of drugs) are proposed to the Council by two Fellows, and elected by ballot. Fellows pay 21s. entrance fee, and 42s. annually. Any registered medical practitioner is eligible as member, and on election pays 21s. annually. Students of the third or subsequent years are eligible as student associates. Number on the roll, more than 200 fellows, and about 30 members.

Sections.—The Academy is constituted by the recent amalgamation of four distinct Societies, viz., (1) the "Medical," (2) "Surgical," (3) "Obstetrical," and (4) "Pathological," which continue their work as sections of the Academy; and there are also subsections for Anatomy and Physiology, and Public Health.

Communications, read in the various sections, are referred to the General Council, who select for publication in the *Transactions.*

IRISH MEDICAL ASSOCIATION.

(FOUNDED 1839, INCORPORATED 1882.)

Officers.—*President:* Dr A. H. Jacob. *Treasurer:* Dr Minchin.
Hon. Secretary: Dr Chapman, 60 Pembroke Road, Dublin.

Meetings held at the Royal College of Surgeons in Ireland.

PHARMACEUTICAL SOCIETY OF IRELAND,

ROYAL COLLEGE OF SURGEONS.

No information.

CORK COUNTY AND CITY MEDICAL SOCIETY.

Officers.—*President:* Dr Finn. *Treasurer:* Dr Donovan. *Secretary:* Dr Atkins.

Object.—Examination of pathological specimens and cases of uncommon occurrence.

Offices.—Royal Cork Institution. Library of about 2000 vols.

Meetings, fortnightly during term, at 8 P.M.

Membership.—Subscription, 10s. annually.

LOUTH, MEATH, AND DROGHEDA MEDICAL SOCIETY. (FOUNDED 1873.)

Officers.—*President:* Dr Gartlan.

Secretary and *Treasurer:* Dr Jones, Drumconrath, Ardee.

ULSTER MEDICAL SOCIETY.

(FOUNDED 1862.)

Officers.—*President:* Prof. Dill, M.D.

Treasurer: Dr Ester. *Hon. Secretary:* Dr Mackenzie.

Objects.—To afford members facilities for seeing the best medical works, and to discuss medical subjects.

Offices.—Belfast Royal Hospital, with library and pathological museum.

Meetings, at 8 P.M. on Tuesday, monthly from May to July, and fortnightly from November to May.

SECTION XII.

LITERATURE AND HISTORY.

LONDON.

BALLAD SOCIETY.

(FOUNDED 1868.)

Officers.—*Editor-in-Chief:* Rev. J. Woodfall.

Hon. Secretary: W. A. Dalziel, 67 Victoria Road, Finsbury Park, London, N.

Membership.—The Ballad Society's books are printed in demy 8vo, or in super-royal 8vo. The subscription which constitutes membership for the demy octavos is 21s. a year; for the super-royal, 63s. The Society's books can be had only by subscribers.

BROWNING SOCIETY.

(FOUNDED JULY 1881.)

Officers.—*Treasurer:* R. Swan. *Hon. Secretary:* J. Dykes Campbell.

Objects.—The study and discussion of the works of Robert Browning, and the publication of papers on them; also to encourage the formation of Browning reading clubs, the acting of Browning's dramas by amateur companies, the writing of a Browning primer, the compilation of a Browning concordance or lexicon, and generally the extension of the study and influence of the poet.

Offices.—Address F. J. Furnivall, 3 St George's Square, London, N.W., or the Hon. Secretary, 29 Albert Hall Mansions, Kensington Gardens.

Meetings, at University College, Gower Street, on the fourth Friday of the months October to June (excepting December), at 8 P.M. Members may introduce visitors. There is an annual entertainment in June.

Membership.—Eligible candidates are those of opinion that "the poet deserves more thorough study and a far wider circle of readers than he has yet had." Annual subscription, 21s. Number of members, 212.

Committees.—The Society promotes the formation of local "Browning" clubs either in London, the provinces, or abroad. Other Browning Societies are the Oxford Browning Society—*Hon. Sec.*, J. B. Williamson, Balliol Coll. Cambridge University Browning Society—*Hon. Sec.*, A. E. Benson, King's College, Cambr. Girton Browning Society—*Hon. Sec.*, Miss A. Zimmern, Girton College, Cambridge. Newnham Browning Society, North Hall, Newnham College, Cambridge. Clifton Browning Society—*Hon. Sec.*, Stopford Brooke, jun., Edinburgh. Women's Student Browning Society—*Hon. Sec.*, Miss S. Stevenson, 13 Randolph

Crescent. Tweedside Browning Reading Club—*Hon. Sec.*, Mrs Turnbull, Eastfield, Kelso, N.B. Also in the United States of America—Cornell University Browning Society—*Director*, Prof. Hiram Corson, LL.D., Cornell. Browning Club, Philadelphia—*Hon. Sec.*, Miss F. E. Bennett, 1615 Chestnut Street, Philadelphia. Browning Circle, Michigan, U.S.A. Browning Circle, Cleveland, Ohio, U.S.A. —*Hon. Sec.*, Mrs A. W. Fairbanks, Weddell House, Cleveland, Ohio, U.S.A. Syracuse Browning Club—*Secretary*, Harriet May Mills, 219 W. Genesee Street, Syracuse, New York, U.S.A. Baltimore, U.S.A.—Johns-Hopkins University Browning Club—*Leader*, Dr Wood; and City Browning Club—*Leader*, Mrs Frick, Beethoven Terrace, Baltimore. Unity Club, Chicago—*Leader*, Rev. J. Lloyd Jones, 133 Wabash Avenue, Chicago.

Communications must be accepted by the Council, and may be afterwards printed by the Society.

CHAUCER SOCIETY.

(FOUNDED 1868.)

Officers.—*Editor in Chief:* F. J. Furnivall, Esq., 3 George's Square, Primrose Hill, N.W. *Hon. Secretary:* W. A. Dalziel, Esq., 67 Victoria Road, Finsbury Park, London, N.

Objects.—To do honour to Chaucer, and to let the lovers and students of him see how far the best unprinted MSS. of his works differ from the printed texts; to settle questions of metre, pronunciation, orthography, and etymology. The Society has issued *The Canterbury Tales*, and has given of them (in parallel columns in royal 4to) six of the best heretofore MSS. known. A print of each MS. has been issued separately, following the order of its original. The first six MSS. printed have been—the Ellesmere, the Hengwrt, the Camb. Univ. Libr.; the Corpus, Oxford; the Petworth; and the Lansdowne (Brit. Mus.). The Harleian will follow. Of Chaucer's *Minor Poems*, all the available MSS. have been printed. The *Boece* and the *Troilus* are now in type. *Autotypes* of Chaucer MSS. either have been or will be published. There are two series of publications; the first contains the different texts of Chaucer's works, the second, such originals of and essays on these as can be procured. Messrs Trübner supply all the Society's publications.

Membership.—The annual subscription is £2, 2s. Names and subscriptions may be sent to the publishers, or the Hon. Secretary. Prof. Child, of Harvard Coll., Camb., Mass., is Hon. Secretary for U.S.A.

EARLY ENGLISH TEXT SOCIETY.

(FOUNDED 1864.)

Officers.—*Director:* F. J. Furnivall. *Treasurer:* H. B. Wheatley.

Hon. Secretary: W. A. Dalziel, 67, Victoria Road, Finsbury Park, London, N.

Object.—To bring the mass of old English literature within the reach of the ordinary student, and to revive interest in the monuments of her early life and language; to print in its original series the whole of our unprinted MS. literature; and in its extra series to reprint all that is most valuable of printed MSS. and early printed books. The Society has issued to its subscribers 122 texts; the publications of its first two years have been reprinted, and those for its third year, 1866, will follow.

Membership.—The subscription is £1, 1s. a year [and £1, 1s. (large paper £2, 12s. 6d.) additional for the extra series].

GAELIC SOCIETY.

1 ADAM STREET, W.C.

No information.

HARLEIAN SOCIETY.

(FOUNDED 1869.)

Officers.—*President:* The Duke of Manchester, K.G. *Hon. Secretary:* G. J. Armytage, F.S.A. *Hon. Treasurer:* J. Howard, LL.D., F.S.A.

Objects.—The publication of unedited MSS. relating to genealogy, family history, and heraldry.

Offices.—Council room at 140 Wardour Street. The Society has no library, except a few books on family history. No payment is made to any member for editing the publications.

Meetings.—The annual meeting is in the month of January.

Membership.—Accepted members pay 10s. 6d. entrance fee, and £1, 1s. annually. A double subscription entitles them to the publications of the register section in addition to those received by every ordinary member. Copies of the publications are supplied only to members. Societies and public bodies, as well as individuals, may subscribe. Number of members, 395.

Communications.—Correspondence concerning the business of the Society and proposals of membership to be addressed to the Hon. Secretary, Clifton Woodhead, Brighouse.

SOCIETY FOR PROMOTING HELLENIC STUDIES,

22 ALBEMARLE STREET.

No information.

ROYAL HISTORICAL SOCIETY.

(FOUNDED 1868.)

Officers.—*President:* Lord Aberdare.

Treasurer: W. Hertage. *Secretary:* P. Edward Dove.

Objects.—(1) To promote and foster the study of history on general scientific principles. (2) To encourage researches on important special historical facts concerning Great Britain and other countries. (3) To assist in the publication of rare and valuable State papers, or any other documents throwing light on the customs, manners, and mode of life of different nations. (4) To publish translations of standard historical works.

Offices.—11 Chandos Street, Cavendish Square, W., where there is a library. Members may take out books.

Meetings.—On the third Thursday of each month, at 8 P.M., from November to June inclusive, for the reading and discussion of papers.

Membership.—£2, 2s. per annum. 614 fellows.

Communications.—Some papers read at the monthly meetings are printed in the Society's quarterly *Journal*, which contains also notices of recent historical publications, both English and foreign.

INDEX SOCIETY.

8 JOHN STREET, ADELPHI.

Objects.—To prepare Indices to standard books. Apply to the Hon. Secretary for further information.

LIBRARY ASSOCIATION OF THE UNITED KINGDOM. (FOUNDED 1877.)

Officers.—*President:* Dr J. K. Ingram.

Treasurer: Robert Harrison. *Hon. Secretary:* Ernest C. Thomas.

Object.—To form a bond of union for librarians, and to discuss subjects of interest to them.

Offices.—Address the Hon. Secretary, 3 Harcourt Buildings, Temple, E.C. Small library.

Meetings held at London Institution, Finsbury Circus, on the first Friday of each month.

Membership.—Annual subscription, 10s. 6d.; non-librarians require election. Number of members, 400.

Communications—The papers read are printed in the *Library Chronicle.* The Association also issues an annual vol. of *Transactions.*

ROYAL SOCIETY OF LITERATURE.

Officers.—*Treasurer:* J. Haynes. *Secretary:* W. S. W. Vaux, F.R.S.

Foreign Secretary: C. H. E. Carmichael.

Offices.—48 St Martin's Place. Library open daily to members.

Meetings fortnightly, on Wednesdays, from December to June.

Membership.—Candidates must be proposed by three members. Their papers are suspended during three meetings, after which the ballot takes place. Subscription, £2, 2s; life composition, £20.

PALESTINE PILGRIMS' TEXT SOCIETY.

(FOUNDED 1884.)

Officers.—*Director:* Sir Charles Wilson, K.C.M.G., C.B., F.R.S.

Hon. Secretary: Walter Besant.

Objects.—The translation and publication, with explanatory notes, of the various descriptions and accounts of Palestine and the holy places, and of the topographical references in ancient and mediæval literature, from the earliest times to the period of the Crusades, or later.

Offices at 1 Adam Street, Adelphi, W.C.

Membership.—Subscription, £1, 1s. Donations and voluntary work are solicited. The *Journey of Antoninus* is already translated, and that of *Sancta Paula* is in hand.

PHILOLOGICAL SOCIETY.

(FOUNDED 1842.)

Officers.—*President:* Rev. Prof. W. W. Skeat, M.A.

Treasurer: B. Dawson, B.A. *Hon. Secretary:* F. J. Furnivall, M.A.

Objects.—To investigate and to promote the study and knowledge of the structure, the affinities, and the history of languages; and to procure the publication of the Society's *New English Dictionary,* begun in 1857.

Offices.—Apply to the Hon. Secretary, 3 St George's Square, Primrose Hill, N.W.

Meetings.—First and third Fridays of every month, from November to June, both inclusive, at 8 P.M., at University College, Gower Street, W.C.

Membership.—Candidates proposed from personal knowledge by a member, or by the Hon. Secretary. Election, by ballot if required, at the meeting after proposal. Entrance fee, £1, 1s.; subscription, £1, 1s.; £10, 10s. for life composition. Number of members, 160.

Committees began collecting, in June 1857, for a *New English Dictionary.* The first part, edited by the late president, Dr Murray, was published in Jan. 1884.

Communications.—Any approved by the Council are received, and at the discretion of the Council are printed *in extenso* or in abstract in the Society's monthly *Abstract*, edited by Hy. Sweet, M.A.

NEW SHAKESPERE SOCIETY.

(FOUNDED 1873.)

Officers.—*President:* Robert Browning. *Director* and *Founder:* F. J. Furnivall. *Treasurer* and *Hon. Secretary:* Kenneth Grahame. *Hon. Secretary:* Prof. J. J. Child, Harvard College, Camb., Mass., U.S.A.

Object.—To do honour to Shakespere, to make out the succession of his plays, and thereby the growth of his mind and art; to promote the intelligent study of him; and to print texts illustrating his work and times.

Offices.—Apply to the Hon. Secretary, 24 Bloomsbury Street, W.C.

Meetings.—At 8 P.M., on the second Friday in every month (excepting July, Aug., and Sept.), at University College, Gower Street, W.C., when papers are read and discussed. One evening of the session is appropriated for the musical performance of a chronological selection of Shakespere's songs, glees, madrigals, &c.

Membership.—The subscription of £1, 1s. per annum constitutes membership. Number of members, 350.

Committees.—The director with the several members of the Committee undertakes the editing of the Society's publications, and to establish by metrical evidence the sequence of Shakespere's works, to edit a correct text, &c.

Communications.—Offers of papers to be read at meetings should be addressed F. J. Furnivall, Esq., 3 St George's Square, Primrose Hill, N.W. They appear in the *Transactions*, and form Series 1 of the Society's publications, which have been issued in several parallel series at irregular intervals since 1874.

WYCLIF SOCIETY.

(FOUNDED 1882.)

Officers.—*President:* The Archbishop of York. *Secretary:* J. W. Standerwick.

Object.—The publication for the first time in English history of the complete works of John Wyclif in the language in which they were written.

Offices.—Apply to the Secretary, General Post Office, St Martin's-le-Grand.

Membership.—Payment of £1, 1s. per annum. Number of members about 300.

The Society has already issued two vols. of Wyclif's Latin polemical works.

COUNTRY.

CAMBRIDGE PHILOLOGICAL SOCIETY.

Officers.—*President:* Rev. Professor W. W. Skeat, M.A.
Treasurer: T. E. Nixon. *Secretary:* Professor Postgate, M.A., Trin. Coll.

Objects.—To promote researches into philology in general, and the Indo-European group in particular.

Membership.—Any student of philology is eligible. Subscription, £1, 1s.; life composition, £10.

Communications.—*Transactions* are published.

LANCASHIRE AND CHESHIRE HISTORICAL SOCIETY. (Founded 1828.)

Officers.—*President:* T. G. Rylands, F.S.A.
Treasurer: J. C. Jacob. *Secretary:* Ch. T. Gutty, 18 Pelham Grove, Sefton Park.

Meetings held on alternate Thursdays, in 15 Royal Institution Buildings.

Membership.—Subscription—resident, £1, 1s.; non-resident, 10s. 6d.

MANCHESTER SPENCER SOCIETY.

L. Croston, 53 King Street. No information.

MANX SOCIETY.

(Founded 1858.)

Officers.—*President:* The Lieut.-Governor Spencer Walpole.
Secretary and *Treasurer:* C. F. Callow Douglas.

Object.—The publication of national documents.

Offices.—Apply to the Secretary, Douglas, Isle of Man.

Meetings on the first Tuesday in each month.

Membership.—Annual subscription of £1. Number of members, 90.

SCOTLAND.

EDINBURGH AUNGERVYLE SOCIETY.

(Founded June 1881.)

Officer.—*Secretary:* E. M. Goldsmid.

Objects.—To reprint rare or curious pamphlets, tracts, articles, &c., interesting from either a literary, historical, or antiquarian point of view.

Offices.—Address the Secretary, 12 Castle Street, Edinburgh. The business of the Society is managed by a Committee.

Membership.—Candidates should address the Secretary. Annual subscription, 13s. which entitles the member to receive a copy of the reprints issued during the year, which together form a volume of not less than 200 pages. Each member

undertakes to secure suitable pamphlets, tracts, &c., for submission. The number of copies of each reprint is absolutely limited to 150, and no member may subscribe for more than one copy.

CLARENDON HISTORICAL SOCIETY, EDINBURGH.

(FOUNDED NOVEMBER 1882.)

Officer.—*Secretary:* E. M. Goldsmid.

Objects.—The publication of original historical documents and manuscripts; and the reprinting of rare historical pamphlets, tracts, memoirs, and trials, relating more especially to the period from A.D. 1640 to 1745.

Offices.—Address the Secretary, 12 Castle Street, Edinburgh.

Membership limited to 100 fellows, who subscribe 22s. annually, and honorary members, 13s.

ABERFELDY LITERARY SOCIETY.

(FOUNDED 1861.)

Officers.—*President:* The Earl of Breadalbane.
Treasurer: Duncan Cameron. *Secretary:* John F. Menzies.

Offices.—Place of meeting in the Breadalbane Academy. Library of 250 vols. Members may take out books.

Meetings.—Every Tuesday evening, at 8 P.M., from October to March.

Membership.—Members must be proposed and seconded at one meeting, elected at the next. Entrance fee, 1s. 6d.; subscription, 1s. Number of members, 77.

GLASGOW CELTIC SOCIETY.

194 WEST GEORGE STREET.

No information.

GLASGOW HUNTERIAN CLUB.

(FOUNDED 1871.)

Officers.—*President:* Prof. Dickson, D.D. *Secretary* and *Treasurer:* J. Alexander.

Object.—The printing of rare old manuscripts, and the reprinting of scarce and interesting works of old authors.

Offices.—Apply to the Secretary, 58 Regent Street West, Glasgow.

Membership.—Annual subscription, £2, 2s. Number of members restricted to 200.

IRELAND.

COLLEGE HISTORICAL SOCIETY, UNIVERSITY OF DUBLIN. (FOUNDED 1770.).

Officers.—*President:* Right Hon. Edward Gibson, LL.D., M.P.
Secretaries: H. C. Lyster and C. F. Dillon.

Objects.—To encourage the study of history, and the practice of oratory and written composition, in Trinity College, Dublin.

Offices.—The Society meets in the common hall of the College. The library has a large collection of vols. Members may borrow books.

Meetings on Wednesdays, from the second week in Nov. to the first in June, excepting only three evenings in Dec. and Jan. A subject is proposed for debate, speakers being nominated to take the affirmative or negative side, and a vote is taken.

Membership.—All students of Trinity College are eligible on attaining junior sophister standing, and until they reach M.A. standing, when they may become hon. members.

IRISH ARCHÆOLOGICAL AND CELTIC SOCIETY.

Officers.—*President:* The Duke of Leinster. *Secretary:* J. T. Gilbert, F.S.A.

Object.—To print documents illustrative of Irish history.

Offices.—Apply to the Secretary, Villa Nova, Blackrock, Dublin, from whom catalogues of publications can be had.

SOCIETY FOR THE PRESERVATION OF THE IRISH LANGUAGE. (Founded 1876.)

Officers.—*President:* The O'Conor Don. *Hon. Secretaries:* R. J. Duffy and Brian O'Lorney, M.R.I.A. *Secretary of Council:* J. J. MacSweeney, R.I.A.

Objects.—The preservation and extension of the Irish as a spoken language—(*a*) by encouraging a familiar use of the language by those who know how to speak it, (*b*) by promoting the formation of classes; (*c*) by encouraging the establishment of parochial or other associations; (*d*) by procuring that the Irish language shall be taught in the schools of Ireland, especially in the Irish-speaking districts; (*e*) by publishing cheap elementary works, from which the language can be easily learned; (*f*) by encouraging the production of a modern Irish literature, original or translated; (*g*) by founding a Journal, partly in the Irish tongue, &c.

Offices.—9 Kildare Street, Dublin.

Meetings.—Every Tuesday.

Membership.—Annual subscription, 10s. Number of members enrolled, 403.

Local Associations are affiliated to the parent Society, and should consist of at least ten members. They organise classes, and inform themselves as to the instruction in Irish given in schools, &c. A programme of examinations for Celtic in the Royal University of Ireland has the approval of the Society, and is published in its Report.

SECTION XIII.

PSYCHOLOGY.

LONDON.

ARISTOTELIAN SOCIETY.

(FOUNDED 1879.)

Officers.—*President:* Shadworth H. Hodgson, M.A., LL.D.
Hon. Secretary: Alfred Senier, M.D.

Objects.—The systematic study of philosophy, first as to its historic development, second as to its methods and problems.

Offices.—Communications to be addressed to the Hon. Secretary, 1 Bloomsbury Square, W.C.

Meetings at 8 P.M., fortnightly, on 1st and 3rd Monday in month, at 22 Albemarle Street, W.

Membership.—Candidates are proposed at one meeting of the Society, and elected by ballot at the next. Number of members about 45.

Communications.—Original papers are read on certain selected evenings. Other evenings are devoted to discussions on some standard work on philosophy, introduced by a short paper.

SOCIETY FOR PSYCHICAL RESEARCH.

(FOUNDED 1882.)

Officers.—*President:* Professor Henry Sidgwick. *Treasurer:* Alexander Calder.
Hon. Secretary: Edmund Gurney. *Assistant Secretary:* E. T. Bennett.

Objects.—An organised and systematic attempt to investigate that large group of debatable phenomena designated by such terms as "psychical," "mesmeric," and "spiritualistic."

Offices.—14 Deans Yard, Westminster, S.W. The Assistant Secretary attends from 2.30 to 5.30 P.M., on Mondays, Wednesdays, and Fridays. The library contains about 500 books bearing on the subjects of the Society's researches.

Meetings.—About four "general meetings" in the year, besides "occasional meetings," for informal discussion.

Membership.—Members and associates are elected by the Council. Candidates must give such references as shall be approved by the Council. The subscription for members is £2, 2s. a year; for associates, £1, 1s. The number of members, honorary members, and associates is 365.

Committees.—Research Committees are engaged on "thought transference," "mesmerism," disturbances in places supposed to be "haunted," "physical

phenomena," "Reichenbach's experiments;" and there is a "Literary Committee."

Communications should be sent to the Hon. Secretary of the Committee under whose cognisance the particular matter communicated will most naturally fall. The pages of the Society's monthly *Journal* are also open to such communications as the editor shall deem it expedient to publish there.

SCOTLAND.

EDINBURGH UNIVERSITY PHILOSOPHICAL SOCIETY. (Founded 1871.)

Officers.—*Presidents:* R. S. Simpson, M.A.; James Weir, M.A.; J. W. Oman, M.A.; and John Craigie, M.A., LL.B. *Treasurer:* George Johnstone, M.A. *Secretary:* R. Sinclair Black, M.A.

Object.—The prosecution of philosophical investigation.

Offices.—The Hall of the Associated Societies (of which the Philosophical Society is one) of University of Edinburgh.

Meetings held every Wednesday evening during the winter session (Christmas recess excepted), at 8 o'clock. No library specially connected with the Society.

Membership open to all students of the University attending the philosophical classes. Election is by a majority of members. Subscription, 5s. Number of members, 40. Hon. members may be gentlemen distinguished in philosophy, &c.

Communications received from members, apart from the usual essays and debates read from honorary and extraordinary members.

SECTION XIV.

ARCHÆOLOGY.

LONDON.

ROYAL ARCHÆOLOGICAL INSTITUTE OF GREAT BRITAIN AND IRELAND. (Founded 1843.)

Officers.—*President:* Earl Percy, M.P.
Treasurer: J. Stephens. *Secretary:* R. H. Gosselin.

Objects.—The encouragement of intelligent researches into British antiquities, and of vigilant care for their preservation.

Offices.—16 New Burlington Street, W. The library is open from 11 to 5 P.M.

Meetings.—To exhibit objects of antiquarian interest, and read and discuss papers are held on first Thursday of the month from November to July (January excepted), a meeting is held annually the end of July at some place of interest.

Membership.—Candidates must be nominated by two ordinary members or one member of Council. Entrance fee, £2, 2s.; subscription, £1, 1s.; life composition, £10, 10s. The *Journal* and other works are published by the Institute.

SOCIETY OF ANTIQUARIES OF LONDON.

Officers.—*President:* The Earl of Carnarvon. *Treasurer:* Charles S. Perceval, LL.D. *Director:* H. S. Milman, M.A. *Secretary:* C. Knight Watson, M.A.

History.—"The Society of Antiquaries of London" is the title given to the Society in its Royal Charter of Incorporation, under date November 2, in the twenty-fifth year of George the Second (1751). The Society, however, took its rise at a much earlier period, having been founded by Archbishop Parker about 1572. (See *Reliquiæ Spelmannianæ*, p. 69; Master's *History of Corpus Christi College*, Appendix No. xxix.). The varying fortunes and *habitats* of the Society, prior and subsequent to its Charter of Incorporation, are set forth in the Society's *Proceedings*, Second Series, vol. vi. pp. 356–358.

Objects.—Stated in the words of the Royal Charter to be "the knowledge of the history and antiquities of this and other nations."

Offices at Burlington House, Piccadilly, open to the Fellows from 10 to 4, and Saturdays from 10 to 2. A library of about 25,000 vols. The principal features of it are topography and history. A fine collection of early Broadsides and Proclamations. Collections of matrices and impressions of seals, which are under course of arrangement by the Treasurer, Mr Charles S. Perceval.

Meetings.—Every Thursday, at 8.30 P.M., from the end of November to the

end of June, with the exception of the usual holidays at Christmas, &c. The anniversary meeting for the election of Council and Officers is held on St George's Day, in honour of their distinguished "Founder and Patron" (under the Charter) George the Second. At the evening meetings objects of antiquity are exhibited and papers read.

Membership.—The election of Fellows takes place at certain fixed meetings set apart for a ballot for that purpose. Candidates must be proposed in writing by at least three Fellows, one of whom shall certify from personal knowledge and two others from personal kuowledge or from acquaintance with the works of the candidate. Entrance fee, £5, 5s.; annual subscription, £2, 2s.; life composition, £26, 5s. Number of fellows limited to 600.

Committees.—Three, called respectively the "Executive," the "Library," and the "Finance" Committee, whose business it is to make reports and recommendations to the Council on matters relating to their respective departments.

Communications.—Exhibitions and communications are received from Fellows and non-fellows alike, and are subject to no conditions beyond that of being worthy to be laid before the Society. They may subsequently be published in the *Transactions* of the Society, *i.e.*, either in the *Archæologia* or 4to *Transactions*, which now extend to 47 vols., or in the *Proceedings* or octavo *Transactions*.

BRITISH ARCHÆOLOGICAL ASSOCIATION.

(FOUNDED 1843.)

Officers.—*President:* Earl Granville, K.G. *Treasurer:* Thomas Morgan, F.S.A. *Secretaries:* J. P. Loftus Brock, F.S.A., and W. de Gray Birch, F.S.A.

Objects.—"To investigate, preserve, and illustrate all ancient monuments of the history, manners, customs, and arts of our forefathers, in furtherance of the principles on which the Society of Antiquaries of London was established; and to aid the objects of that institution by rendering available resources which had not been drawn upon, and which indeed did not come within the scope of any antiquarian or literary society."

Offices at 32 Sackville Street, W.

Meetings on alternate Wednesdays, at 8 P.M., from November to June, at 32 Sackville Street, W. Members may introduce visitors. A congress is held annually in some part in the United Kingdom.

Membership.—Candidates must apply to the Secretaries. Entrance fee, £1, 1s.; subscription, £1, 1s., or £10, 10s. life composition.

Communications to be addressed to the editor of the *Journal*. *Transactions*, which are reports of the congresses, are also issued.

SOCIETY OF BIBLICAL ARCHÆOLOGY.

(FOUNDED 1870.)

Officers.—*President:* S. Birch, D.C.L. *Treasurer:* B. T. Bosanquet. *Foreign Secretary:* Prof. Sayce, M.A. *Secretary:* W. H. Rylands, F.S.A.

Objects.—The investigation of the archæology, chronology, history, and geography of Ancient and Modern Assyria, Arabia, Egypt, Palestine, and other biblical lands; the promotion of the study of the antiquities of those countries, and the preservation of a continuous record of discoveries.

Offices at 11 Hart Street, Bloomsbury, containing meeting room and a library of about 1500 vols., which are lent to members

Meetings held at 9 Conduit Street, W., on the first Tuesday in each month, November to June (January excepted), at 8 P.M., for the reading and discussion of papers and examination of relics which may be submitted for inspection.

Membership.—Members pay an annual subscription of 21s. Number of members, 662.

Communications read, subject to the approval of the Council, which appear in abstract, with illustrations when necessary, in the publications of the Society.

CAMDEN SOCIETY,

25 PARLIAMENT STREET, S.W.

No information.

SOCIETY FOR THE PROTECTION OF ANCIENT BUILDINGS. (FOUNDED AUGUST 1877.)

Officer.—*Secretary:* Thackeray Turner.

Object.—To persuade the custodians and proprietors of mediæval buildings, whether in the United Kingdom or abroad, to repair them without removing old work, or substituting new work in imitation of old work, and above all to keep their buildings in constant repair, instead of having a complete restoration every fifty or one hundred years.

Meetings of the Committee are held at 9 Buckingham Street, Adelphi, W.C., at 5 o'clock every Thursday throughout the year, except in the month of August; all members are invited to attend as visitors.

Membership.—A written statement saying that the member agrees with the Society's manifesto in all points, and an annual subscription of 10s. 6d. or £1, 1s., constitutes membership. 414 members are enrolled.

Committee meetings invite and discuss information respecting old buildings, although the sender be not a member. Details of the operations of the Society are found in the Annual Report; the Society has corresponding members in various localities.

ST PAUL'S ECCLESIOLOGICAL SOCIETY.

(FOUNDED 1878.)

Officers.—*President:* The Very Rev. The Dean of St Paul's. *Chairman of Council:* Rev. H. C. Shuttleworth, M.A. *Treasurer:* Major A. Heales, F.S.A., M.R.S.I. *Hon. Secretaries:* A. Paxon, Holmbury Cottage, Hook Road, Surbiton; E. J. Wells, Sandown House, Mallinson Road, Wandsworth Common, S.W.; and Rev. G. H. Duffield, F.S.A., Cedars Road, Beckenham.

Object.—The non-professional study of ecclesiology.

Offices.—The Society has none, but meets at the Chapter-House, St Paul's Cathedral. Apply to the Secretaries, as above.

Meetings.—To hear papers during the winter months, and to visit churches during the summer. Annual meeting as soon after St Paul's Day as possible.

Membership.—Candidates to be proposed by two members, and to be elected by the Council. Entrance fee, 2s. 6d.; subscription, 7s. 6d.; life composition, £3, 3s. The Council may also elect honorary associates. Number of members, 301.

Communications must be submitted to Council for approval.

LONDON AND MIDDLESEX ARCHÆOLOGICAL SOCIETY. (Founded 1855.)

Officers.—*President:* Lieut.-General A. Lane Fox Pitt, F.R.S. *Treasurer:* F. G. Hilton Price, F.S.A. *Secretary:* John E. Price, F.S.A.

Objects.—To collect and publish information on the topography, ancient arts, and monuments of the cities of London and Westminster, including genealogy, numismatics, parochial histories, and all matters comprised under the head of archæology; to prevent injuries with which monuments and ancient remains may from time to time be threatened, and to collect accurate drawings, plans, and descriptions thereof.

Offices.—Apply to the Secretary, Albion Road, Stoke Newington.

Meetings at 4 St Martin's Place, Trafalgar Square, from January to June, in the evening, when papers are read.

Membership.—Entrance fee, 10s.; subscription, £1, 1s. Number of members about 300.

Communications to be sent to the Secretary.

NUMISMATIC SOCIETY OF LONDON. (Founded 1836.)

Officers.—*President:* John Evans, D.C.L., F.R.S. *Treasurer:* A. E. Copp. *Secretary:* Barclay V. Head, Esq., M.R.A.S. (British Museum).

Objects.—To advance the science of classical, mediæval, oriental, and modern numismatics.

Offices.—4 St Martin's Place, Trafalgar Square. Library, available for use of members, consisting of several thousand vols.

Meetings.—On the third Thursday of each month, from October to June, at which papers are read, and rare coins or medals exhibited.

Membership.—Entrance fee, £1, 1s.; annual subscription, £1, 1s. Number of members about 200. Candidates should communicate with the Secretary.

Communications.—The *Numismatic Chronicle* is published quarterly, edited by John Evans, D.C.L., F.R.S.; W. S. Vaux, F.R.S.; and Barclay V. Head, M.R.A.S. Each number contains about 72 pages and three plates. All contributions are submitted to the editors, and if accepted are read at an ordinary meeting of the Society before publication.

SOCIETY FOR PHOTOGRAPHING RELICS OF OLD LONDON,

112 ALBANY STREET.

No information.

COUNTRY.

BEDFORDSHIRE ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY. (Founded 1844.)

Officers.—*President:* The Duke of Manchester. *Treasurer:* Thomas Barnard. *Hon. Secretaries:* Rev. Canon Haddock and D. G. Cary Elwes.

Offices.—Meeting-place, the Bedford Rooms.

Membership.—Subscription, 10s. 6d.

Communications.—The papers are published with those of the Societies of Lincoln, York, Northampton, and Oakham, Worcester, and Leicester.

BRISTOL AND GLOUCESTERSHIRE ARCHÆOLOGICAL SOCIETY. (Founded 1876.)

Officers.—*President:* E. Stafford Howard, M.P. *Treasurer:* W. T. Giller. *Hon. Secretaries:* Rev. William Bazeley, M.A., Matson Rectory, Gloucester; and Rev. J. W. Caldicott, D.D., Shipston-on-Stour Rectory, Worcestershire.

Offices.—Headquarters, Museum, Gloucester, where are the museum and library. Apply to the Secretaries, as above.

Meetings.—Twice a year, in May and July.

Membership.—Entrance fee, 10s. 6d.; subscription, 10s. 6d. Number of members, 520.

Communications.—Papers on local archæology received, and printed in *Transactions.* Apply to Gen. Secretaries.

BUCKINGHAM ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY. (Founded 1848.)

Officers.—*President:* Bishop of Oxford. *Treasurer:* J. Williams. *Hon. Secretaries:* Rev. R. Piggott, Rev. B. Burgess, and Rev. J. Wood.

Offices.—Society's Room, Aylesbury.

Meetings.—Annual, in the summer.

Membership.—Members are proposed and seconded at a committee meeting, and elected at the next general meeting. Subscription, 6s. per annum. Number of members, 220.

CAMBRIDGE ANTIQUARIAN SOCIETY. (Founded 1840.)

Officers.—*President:* J. Willis Clark, M.A. *Treasurer:* W. M. Fawcett, M.A., F.S.A. *Secretary:* Rev. S. S. Lewis, M.A., F.S.A.

Object.—To encourage the study of history, architecture, and antiquities, and to collect and print information relative thereto.

Offices.—At the Museum of Local and General Archæology, which contains the library of about 1000 vols., and the antiquities collected by the Society.

Meetings.—For the reading and discussion of papers, October to June; Monday evening, at 8.30 P.M. Annual general meeting in May, and occasional excursions to localities of interest.

Membership.—Candidates are proposed by two or more members, elected by ballot. Subscription, 21s.; life composition, £10, 10s. There are also honorary members.

Communications to be addressed to the Secretary in a form ready for the press if it is desired that they shall be printed before being read. The Society's publications appear either as Reports (1841–50, with abstract of *Proceedings*), or as essays, issued and sold separately in parts (1841–84).

CHESTER ARCHÆOLOGICAL, &c., SOCIETY.

No information.

CUMBERLAND AND WESTMORELAND ANTIQUARIAN ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1866.)

Officers.—*President:* Rev. Canon Simpson, LL.D., F.S.A.
Treasurer: W. H. Wakefield. *Secretary:* T. Wilson.

Objects.—To investigate, describe, and preserve the antiquities of Cumberland, Westmoreland, and Lancashire north of the Sands.

Offices.—Highgate, Kendal.

Meetings.—Two annually, fixed by the Council.

Membership.—Subscription, 10s. 6d ; life composition, £5, 5s.

Committees.—Local committees appointed by the Council.

Communications must be made through the Editor, R. S. Ferguson, M.A., LL.M., F.S.A., Carlisle.

ESSEX ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1852.)

Officers.—*President:* G. Alan Lowndes, Esq., M.A. *Treasurer:* James Round, Esq., M.A., M.P. *General Secretary:* Henry William King. *Hon. Curator:* Rev. C. L. Acland, M.A.

Objects.—The prosecution of researches into the history and antiquities of the county, the publication of papers thereon, and the formation of a museum of antiquities and library.

Offices.—The Museum, Colchester Castle.

Meetings.—The general annual meeting of the Society is held in one of the summer months, at some place in the county, interesting from its antiquities or historical associations.

Membership.—Candidates must be proposed and seconded, in writing, by members, at any meeting of the Council, and elected by a majority at the subsequent council or general meeting. Subscription, 10s. 6d. Ladies proposed by two members admitted without voting. Number of members about 250.

Committees.—A "museum" Committee only, consists of six members of the Society and six members of the Corporation of Colchester. There are eight sectional Secretaries, and other corresponding members.

Communications are not usually publicly read, the Council selecting such as it thinks proper for an annual publication, which also contains reports of the Society's meetings, &c.

EXETER DIOCESAN ARCHÆOLOGICAL SOCIETY,

50 HIGH STREET.

No information.

KENT ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1857.)

Officers.—*President:* Earl Amherst.
Hon. Secretary: Canon W. A. Scott Robertson. *Clerk:* T. E. James.

Offices.—There is a museum at Chillington House, Maidstone.

Meeting.—A yearly summer meeting at some town in Kent. Visitors may attend.

Membership.—Candidates must be proposed by two members, and balloted for by the Council, or at a general meeting. Subscription, 10s., or £5 life composition; 10s. entrance fee. Number of members about 900. The Council may elect on the nomination of two members any lady desirous of becoming a member, and may also appoint honorary members any person likely to promote the interests of the Society.

Communications.—Papers are read at the meetings and antiquities exhibited, subject to the control of the Council. The papers are printed in the *Archeologia Cantiana*.

LANCASHIRE AND CHESHIRE ANTIQUARIAN SOCIETY. (Founded 1883.)

Officers.—*President:* Professor W. Boyd Dawkins, F.R.S.
Treasurer: Frederick A. Whaite, F.R.M.S. *Secretary:* George C. Yates, F.S.A.

Objects.—To examine, preserve, and illustrate ancient monuments and records; to study history, architecture, manners, customs, arts, and traditions, especially those relating to Lancashire and Cheshire.

Offices.—The reference library, Old Town Hall, King Street, Manchester. Apply to the Secretary, Swinton, Manchester.

Meetings.—The first Friday in the winter months; with six summer meetings at places of interests in Lancashire and Cheshire.

Membership.—Candidates for admission must be proposed by one member of the Society and seconded by another, and balloted for at any ordinary meetings. Subscription, 10s. 6d. per annum, with 10s. 6d. entrance fee. Number of members, 220.

LEICESTER ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY,

5 GALLOWTREE GATE.

No information.

LINCOLN DIOCESAN ARCHITECTURAL SOCIETY.

No information.

MANCHESTER CHETHAM SOCIETY.

Secretary: C. E. Bailey, 53 King Street.

MONMOUTHSHIRE AND CAERLEON ANTIQUARIAN ASSOCIATION. (Founded 1851.)

Officers.—*President:* Octavius S. Morgan, L.S.A.
Treasurer: L. J. Mitchell. *Secretaries:* J. E. Lee and L. J. Mitchell.

Objects.—The study and preservation of antiquities in the county of Monmouth.

Offices.—Caerleon, where there is a museum of antiquities.

Meetings once a year, about August, at some place of interest in the county.

Membership.—Members are nominated by the Committee.

NEWCASTLE-UPON-TYNE SOCIETY OF ANTIQUARIES. (Founded 1813.)

Officers.—*President:* The Earl of Ravensworth. *Treasurer:* Wm. Dodd. *Secretaries:* Thomas Hodgkin, B.A., D.C.L., and Robert Blair.

Objects.—Antiquarian.

Offices.—The Castle, Newcastle-upon-Tyne. The castle and library open in summer 10 to 5, in winter 10 to 4.

Meetings on the last Wednesday in the month.

Membership.—Subscription, £1, 1s. per annum. Number of members, 220.

Communications.—*Proceedings* are published monthly; and the *Archeologia Adiana* irregularly.

NORFOLK AND NORWICH ARCHÆOLOGICAL SOCIETY. (Founded 1846.)

Officers.—*President:* The Very Rev. The Dean of Norwich. *Treasurer:* R. Fitch, F.S.A., F.G.S. *Hon. Secretaries:* R. Fitch and Rev. C. R. Manning, M.A.

Objects.—The encouragement and prosecution of research into the early arts and monuments of the county of Norfolk.

Offices.—Norwich.

Meetings.—Three or four in the year, for exhibition, papers, and excursions.

Membership.—Subscription, 7s. 6d. per annum. Number of members, 300.

Communications.—Open. The Society publishes *Transactions.*

NORTHAMPTON ARCHÆOLOGICAL SOCIETY, 51 GOLD STREET.

No information.

NORTH OXFORDSHIRE ARCHÆOLOGICAL SOCIETY. (Founded 1853.)

Officers.—*President:* Rev. Edward Marshall, M.A., F.S.A. *Treasurer:* Will. Kinch. *Secretaries:* Rev. W. D. Macray, M.A., F.S.A., Ducklington; and J. E. T. Loveday, Williamscote House, Banbury.

Objects.—The study and preservation of the antiquities, &c., of North Oxfordshire, and portions of the adjoining counties.

Offices.—Apply to the Secretaries as above.

Meetings.—An annual general meeting united with an excursion to some special place or neighbourhood.

Membership.—Annual subscription, 5s. Number of members about 50.

Communications are occasionally read at general meetings; and the annual Report includes usually an account of the place or places visited, and their antiquities.

NOTTINGHAM ARCHITECTURAL ASSOCIATION, 4 VICTORIA STREET.

No information.

POWYS-LAND CLUB.

(FOUNDED 1867.)

Officers.—*President:* The Earl of Powis. *Treasurer:* P. A. Beck. *Secretaries:* Morris Charles Jones, F.S.A., Gungrog Hall, Welshpool; Rev. W. V. Lloyd, M.A., Haselbech Rectory, Northampton; and Richard Williams, Esq., Celynog, Newtown (Mont.).

Objects.—To collect and print the historical, ecclesiastical, genealogical, topographical, and literary remains of Montgomeryshire.

Offices.—Powys-land Museum and Library, Welshpool. The library contains about 1000 vols., chiefly archæological.

Membership.—Subscribers of £1, 1s. per annum. Number of members, 180.

Committees.—The museum and library are centred in a building erected by the Powys-land Club.

Communications.—The *Transactions*, popularly called "The Montgomeryshire Collections," consist of topographical, archæological, genealogical, &c., papers relating to the county or its borders.

ST ALBAN'S ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY. (FOUNDED 1845.)

Officers.—*President:* The Earl of Verulam. *Treasurer:* H. J. Toulmin. *Secretaries:* Rev. Canon Davys, Wheathampstead; R. R. Lloyd, and Rev. H. F. Fowler, St Albans.

Offices.—Town Hall. Library of 160 vols.

Meetings at intervals during the year, at which archæological papers are read, and excursions made to examine churches, &c.

Membership.—Subscription, 10s. 6d.; life composition, £5, 5s. Number of members, 94.

Communications.—Papers as published in the *Transactions*.

SHEFFIELD ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY.

No information.

SHROPSHIRE ARCHÆOLOGICAL SOCIETY, MUSEUM, SHREWSBURY.

No information.

WM. SALT ARCHÆOLOGICAL SOCIETY, STAFFORD.

(FOUNDED 1879.)

Officers.—*President:* Lord Wrottesley. *Treasurer:* E. C. Sergeant. *Hon. Secretary:* Major-General the Honourable G. Wrottesley. *Assistant Secretary:* T. J. Mazzinghi, M.A.

Object.—Editing and printing original documents relating to Staffordshire.

Offices.—At the Wm. Salt Library, which is at the disposal of members.

Meetings.—A general meeting of subscribers is held once a year.

Membership.—Subscription, £1, 1s., entitling subscriber to the vol. published for the year. Number of members, 220.

Communication.—Three vols. have been issued by the Editorial Committee.

SUSSEX ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1846.)

Officers.—*President:* The Earl of Chichester. *Hon. Secretaries:* F. Barchard and Rev. W. Powell, M.A. *Hon. Curator* and *Librarian:* R. Crosskey, J.P.

Offices.—The Museum, Lewes Castle, where also is the reference library.

Meetings.—Annually at some place of archæological interest in the county.

Membership.—Number of members about 650.

Committees.—Local Hon. Secretaries are resident in all the chief places of the county:—*Amberley*, Rev. G. A. Clarkson; *Arundel*, Geo. P. Holmes; *Brighton*, H. Griffith; *Chichester*, Rev. F. H. Arnold; *Cowfold*, W. Borrer; *Cuckfield*, T. S. Byass; *Eastbourne*, H. M. Emary; *Hastings*, G. F. Burr; *Horsham*, T. Honywood; *London*, J. E. Price; *Rye*, A. W. Smith; *Worthing*, J. Phillipps.

Communications published in an annual volume.

WORCESTER DIOCESAN ARCHITECTURAL AND ARCHÆOLOGICAL SOCIETY. (FOUNDED 1854.)

Officers.—*President:* Earl Beauchamp.

Hon. Secretaries: Rev. J. B. Wilson and John H. Hooper.

Objects.—(*a*) To promote the study of ecclesiastical and other architecture, antiquities, and designs; (*b*) the restoration of mutilated architectural remains within the county and diocese; (*c*) to furnish suggestions (so far as may be within its province) for improving the character of ecclesiastical and other edifices hereafter to be erected or restored; (*d*) the collection and diffusion of information on the subjects of archæology and county history; (*e*) the collection and preservation of books, casts, drawings, &c.

Offices.—Address the Hon. Secretary, College Precincts, Worcester.

Meetings.—The annual general meeting is held at Worcester in March other meetings, at such times and places as are appointed, for the examination of objects of interest and the reading and discussion of papers.

Membership.—Candidates must be proposed and seconded by two members, and balloted for at a general meeting. Subscription, 10s. annually; life composition, £5. Number of members about 100.

Communications.—The Society issues an Annual Report, which includes a summary account of its business, of the excursions, and places visited, with notice of papers read and addresses delivered.

YORKSHIRE ARCHÆOLOGICAL AND TOPOGRAPHICAL ASSOCIATION. (FOUNDED 1863.)

Officers.—*Chairman of Council:* Thomas Brooke, F.S.A.

Treasurer: J. G. Berry. *Hon. Secretary:* G. W. Tomlinson, F.S.A.

Objects.—To examine, preserve, and illustrate the history, architecture, manners, customs, arts, and traditions of our ancestors, and especially to further the collection and preservation of materials for the history and topography of the county of York.

Offices.—Apply to the Hon. Secretary, The Elms, Huddersfield. There is a library of 600 vols., which can be borrowed by members.

Meetings.—Annual meeting in January, at the Library, 16 Buxton Road, Huddersfield, and an excursion on the last Wednesday in August.

Membership.—Candidates are elected by the Council. Subscription, 10s. 6d. or £5, 5s. life composition. Number of members, 584.

Communications must be submitted to the Council, and must refer more or less directly to the county of York. They appear in a *Journal* published twice a year. It is intended to publish a record series in annual vols., to consist of transcripts of parish registers, court rolls, wills, &c.

SCOTLAND.

SOCIETY OF ANTIQUARIES OF SCOTLAND.

(FOUNDED 1780.)

Officers.—*President:* The Marquis of Lothian, K.T. *Treasurer:* Gilbert Goudie. *Secretaries:* John Ritchie Findlay and R. W. Cochran-Patrick, M.P.

Objects.—The promotion of archæology, especially as connected with the antiquities and historical literature of Scotland.

Offices.—National Museum of Antiquities, Royal Institution, Edinburgh. Museum open to the public daily, except Mondays, 10 A.M. to 4 P.M.; Saturdays, also from 7 to 9 P.M.

Meetings.—Monthly meetings for papers and discussion, held in the library (adjoining Museum) on second Monday in each month from December to June, at 3 and 8 P.M. alternately.

Membership.—Candidates sign the form of application, and must be recommended by one fellow and two members of the Council, and balloted for at the next meeting of the Society. Entrance fee, £2, 2s.; subscription, £1, 1s.; life composition, £21. The number of fellows is 630, of honorary fellows 24, and of lady associates 7.

Communications.—The papers read at the meetings are printed in the annual volume of *Proceedings.*

ARBROATH ANTIQUARIAN SOCIETY.

No information.

AYRSHIRE AND WIGTONSHIRE ARCHÆOLOGICAL ASSOCIATION,

COUNTY BUILDINGS, AYRSHIRE.

No information.

GLASGOW ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1856.)

Officers.—*President:* Professor Veitch, LL.D. *Hon. Treasurer:* William Church jun., C.A. *Hon. Secretaries:* J. Dalrymple Duncan, F.S.A. Scot., 211 Hope Street, Glasgow; and William George Black, F.S.A. Scot., 88 West Regent Street, Glasgow.

Objects.—To encourage the study of archæology generally, and more particularly in Glasgow and the West of Scotland; to record antiquarian discoveries; to collect and preserve antiquities; and to disseminate information.

Offices.—207 Bath Street.

Meetings.—Monthly meetings, from November to April. Excursion meeting in autumn.

Membership.—Annual subscription, 10s. 6d. Number of members, 235.

Committees.—Prehistoric Antiquities, Local and County Monumental and Architectural Antiquities, Popular Antiquities, Folklore, &c., Genealogy, Heraldry, and the Arts of Western Scotland, Historical and unprinted MSS., Scottish Numismatics, History, Records, &c., of Glasgow University.

Communications.—*Transactions* published annually.

HAWICK ARCHÆOLOGICAL SOCIETY.

(FOUNDED 1856.)

Officers.—*President:* James Oliver.
Treasurer: David Watson. *Secretary:* James Cairns.

Objects.—The collection, preservation, and elucidation of the antiquities and natural productions of the district, and the formation of a museum.

Offices.—The Museum, Orrock Place. Small library (chiefly books of an antiquarian character), which is available for members only.

Meetings are held for the reading and discussion of original papers by members, or of printed matter of interest to the Society.

Membership.—Subscription, 2s. 6d.; life composition, £1, 1s. Number of members, 154.

IRELAND.

ROYAL HISTORICAL AND ARCHÆOLOGICAL SOCIETY OF IRELAND.

Officers.—*President:* The Duke of Leinster. *Treasurer:* Rev. James Graves, M.A., M.R.I.A. *Hon. General Secretaries:* Rev. James Graves and Richard Caulfield, LL.D., F.S.A.

Objects.—The study and conservation of Irish archæology.

Offices.—Kilkenny, and Royal Institution, Cork.

Meetings.—Quarterly.

Membership.—Subscription, 10s. Number of members, 800.

Committees.—There is a general committee and local secretaries in different towns in Ireland.

Communications.—All papers are produced at the quarterly meetings.

SECTION XV.

FOREIGN SOCIETIES.

AFRICA.

ALGERIA.

Algiers—Société d'Agriculture d'Alger; Société Algérienne de Climatologie; Société des Sciences Physiques et Naturelles; Société Historique Algérienne.

Bône—Académie d'Hippone; Société de Récherche; Société Scientifique et d'Acclimatation.

Constantine—Société Archéologique de la Province de Constantine.

CAPE COLONY.

Cape Town—Agricultural Society; South African Philosophical Society.

EGYPT.

Cairo—Bureau Central de Statistique; Institut Égyptien; Société Égyptienne; Société Khédiviale de Géographie.

MAURITIUS.

Port Louis—Meteorological Society of Mauritius; Royal Society of Arts and Sciences; Société d'Acclimatation.

MOZAMBIQUE.

Mozambique—Société de Geographia.

NORTH AMERICA.

BRITISH AMERICA.

NOVA SCOTIA—

Halifax—Nova Scotia Institute of Natural Sciences, Hamilton, Canada; Scientific Association.

CANADA—

Kingston—Botanical Society of Canada.

Montreal—Historical Society; L'Union Médicale de Canada; Medical Association of Canada; Natural History Society; Société d'Agriculture; Société d'Histoire Naturelle.

Ottawa—Academy of Natural Sciences.

Quebec—Geographical Society; Historical and Natural History Society; Literary and Historical Society; Literary and Philosophical Society; Royal Academy of Sciences.

Toronto—Canadian Institute; Entomological Society; Literary and Historical Society; Military Institute.

UNITED STATES.

ARKANSAS—

Little Rock—Literary Institute.

CALIFORNIA—

Sacramento—Society of Agriculture and Horticulture.

San Francisco—Academy of Sciences; Agricultural and Horticultural Society; Mechanics' Institute; State Horticultural Society.

CONNECTICUT—

Hartford—American Philological Society.

Newhaven—American Oriental Society; Connecticut Academy of Science; Young Mens' Institute.

DELAWARE—

Wilmington—Wilmington Institute.

DISTRICT OF COLUMBIA—

Washington—American Medical Association; Anthropological Society; Bureau of Education; Bureau of Ethnology; Bureau of Medicine and Surgery; Bureau of Navigation; Bureau of Statistics; Coast Survey; Engineer Bureau; Entomological Commission; Geological Survey; National Academy of Sciences; Philosophical Society; Smithsonian Institution.

GEORGIA—

Atlanta—Agricultural Department and State Agricultural Society.

Macon—Public Library and Historical Society.

Savannah—Historical Society.

ILLINOIS—

Chicago—Academy of Sciences; Historical Society.

Ottawa—Ottawa Academy of Natural Sciences.

Rantoul—Rantoul Literary Society.

Springfield—Library Association.

INDIANA—

Indianapolis—Academy of Science.

New Albany—Society of Natural History.

IOWA—

Davenport—Academy of Sciences.

Dubuque—Iowa Institute of Science and Arts; Keokuk Library Association.

KANSAS—

Topeka—Academy of Science; Historical Society.

KENTUCKY—

Farmdale—Kentucky Military Institute.

Frankfort—Geological Survey of Kentucky.

LOUISIANA—

New Orleans—Academy of Science; Athenée Louisianaise.

MAINE—

Augusta—Natural History and Geological Society.

Bangor—Mechanics' Association; Public Library.

Brunswick—Historical Society.
Leviston—Manufacturers' and Mechanics' Association.
Portland—Athenæum and Public Library; Maine Historical Society; Society of Natural History.

MARYLAND—
Annapolis—United States Naval Academy.
Baltimore—Historical Society; Maryland Academy of Sciences; Maryland Institute; Mercantile Library Association; Peabody Institute.

MASSACHUSETTS—
Boston—Academy of Arts and Sciences; American Gynecological Society; American Statistical Association; Appalachian Mountain Club; Athenæum; Boston Society of Natural History; Institute of Technology; Massachusetts Historical Society; New England Historic and Genealogical Society.
Cambridge—Entomological Club; Museum of Comparative Zoology.
Jamaica Plains—Bussey Institute.
Lowell—Mechanics' Association.
Nantucket—Athenæum.
Salem—American Association for the Advancement of Science; Athenæum; Essex Institute.
Worcester—American Antiquarian Society; Free Institute of Industry; Society of Natural History.

MICHIGAN—
Ann Arbor—Geological Survey of Michigan.
Coldwater—Michigan Library Association.
Marquette—Geological Survey.
Port Huron—Ladies Library Association.

MINNESOTA—
Minneapolis—Academy of Natural Sciences; Geological Survey; Historical Society; Library Association.

MISSISSIPPI—
Daleville—Cooper Institute.

MISSOURI—
Rolla—Geological Survey of Missouri.
St Louis—Academy of Sciences; Mercantile Library; Missouri Historical Society; Peabody Academy.

NEW HAMPSHIRE—
Concord—Historical Society.
Portsmouth—Athenæum.

NEW JERSEY—
Hoboken—Stevens Institute of Technology.
Newark—Historical Society.
New Brunswick—Geological Survey of New Jersey.

NEW YORK—
Albany—Adirondack Survey; Albany Institute; New York Medical Society; State Agricultural Society.
Brooklyn—Entomological Society; Long Island Historical Society.
Buffalo—Buffalo Society of Natural Sciences; North American Entomologist.

New York City—American Chemical Society; American Ethnological Society; American Geographical Society; American Institute; College of Pharmacy; Cooper Union; Genealogical Society; Historical Society; Military Service Institute; Natural History Society; New York Academy of Medicine; New York Academy of Sciences; New York Society Library; School of Mines; Society of Natural Sciences.

Troy—Renssalaer Polytechnic Institute.

West Point—United States Military Academy.

OHIO—

Ashtabula—Anthropological Society.

Cincinnati—Society of Natural History.

Cleveland—Kirtland Society of Natural Sciences.

Columbus—Geological Survey of Ohio; State Board of Agriculture; State Horticultural Society.

Lebanon—Mechanics' Institute.

Urbana—Central Ohio Scientific Association.

PENNSYLVANIA—

Euston—Institute of Mining Engineers.

Harrisburg—Geological Survey.

Media—Delaware County Institute of Science.

Philadelphia—Academy of Natural Sciences; American Entomological Society; American Pharmaceutical Association; American Philosophical Society; Athenæum; Franklin Institute; Geological Survey; German Society; Historical Society of Pennsylvania; Library Association of Friends; Numismatic and Archæological Society; Wagner Free Institute; Zoological Society.

West Grove—East Pennsylvania Experimental Farm.

RHODE ISLAND—

Providence—Athenæum; Historical Society.

Woonsocket—Harris Institute Library.

SOUTH CAROLINA—

Charlestown—Elliot Society; Library Society.

TENNESSEE—

Columbia—Athenæum.

VERMONT—

Castleton—Orleans County Society of Natural Sciences.

Derby—Society of Natural Sciences.

Montpelier—Historical Society of Vermont.

Saint Johnsbury—Athenæum.

VIRGINIA—

Lexington.—Virginia Military Institute.

Newmarket—Polytechnic Institute.

Richmond—Medical Society; Virginia Historical Society.

WEST VIRGINIA—

Wheeling—Natural History Society.

WISCONSIN—

Beloit—Geological Survey of Wisconsin.

Madison—Historical Society of Wisconsin; State Agricultural Society of Wisconsin; Wisconsin Academy of Sciences.
Milwaukee—Naturhistorischer Verein.

MEXICO.

Guadalajara—Sociedad Médica de Guadalajara.
Merida—Sociedad Médica Farmaceutica.
Mexico—Academia de Medicina; Asociacion Médico Quirurgica "Larrey"; Sociedad "Andres del Rio"; Sociedad Humboldt; Sociedad Médica; Sociedad Mexicana de Geografia y Estadistica; Sociedad Mexicana de Historia Natural; Sociedad Minera Mexicana.
San Luis Potosi—Instituto Cientifico y Literario; Sociedad Médica.
Toluca—Instituto Literario del Estado de Mexico.

CENTRAL AMERICA.

Guatemala—Instituto National de Guatemala; Sociedad Economica de Amigos del Pais.

WEST INDIES.

CUBA—
Habana—Academia de Ciencias Médicas Físicas y Naturales de la Habana; Real Sociedad Económica de la Habana; Sociedad Anthropológica.

JAMAICA—
Kingston—Royal Society of Arts of Jamaica.

TRINIDAD—
Port of Spain—Scientific Association of Trinidad.

SOUTH AMERICA.

ARGENTINE REPUBLIC.

Buenos Aires—Academia de Ciencias; Asociacion Médica Bonaereuse; Instituto Geográfico Argentino; Sociedad Cientifica Argentina; Sociedad Entomológica Argentina; Sociedad Paleontológica de Buenos Aires; Sociedad Rural Argentina.
Cordoba—Academia Nacional de Ciencias Exactes.

BRAZIL.

Rio Janeiro—Instituto Historico, Geographico y Ethnographico; Palaestra Scientific Society; Royal Geographical Society.

BRITISH GUIANA.

Georgetown—Royal Agricultural and Commercial Society.

CHILE.

Santiago—Sociedad de Historia Natural; Sociedad Médica.

COLUMBIA.

Bogota—Sociedad de Naturalistas Columbianos.

PERU.

Lima—Cuerpo de Ingenieros del Perú.

URUGUAY.

Montevideo—Sociedad de Médecine.

VENEZUELA.

Caracas—Escuela Médica; Le Union Medica; Organo del Gremio; Le Union Medico de Venezuela; Sociedad Economica de Amigos del Pais; Sociedad de Ciencias Físicas y Naturales.

ASIA.

CHINA.

Hong-Kong—Royal Asiatic Society.

Shanghai—Royal Asiatic Society (North China Branch); Scientific Society.

INDIA.

Bombay—Royal Asiatic Society (Bombay Branch); Sassoon Mechanics' Institute.

Calcutta—Agricultural and Horticultural Society of India; Asiatic Society of Bengal; Medical and Physical Society.

Columbo—Royal Asiatic Society (Ceylon Branch).

Madras—Literary Society.

Roorkee—Thomason College of Civil Engineering.

Simla—United Service Institution of India.

JAPAN.

Tokio—Deutsche Gesellschaft für Natur und Völkerkunde Ost-Asien's (German Natural History and Ethnological Society of Eastern Asia).

Tokio Geographical Society.

Yokohama—Asiatic Society of Japan.

JAVA.

Batavia—Bataviaasche Genootschap van Kunsten en Wetenschappen (Academy of Arts and Sciences).

Geneeskundige Vereeniging in Nederlandsch.-Indië (Medical Association).

Koninklijke Naturkundige Vereeniging in Nederlandsch.-Indië (Natural History Society).

Nederlandsch.-Indische Maatschappij van Nijverheid en Landbonn (Industrial Society).

Buitenzorg—Botanischer Garten (Botanical Garden).

Samarang—Indisch Aardrijkskundig Genootschap (Agricultural Society).

PHILIPPINE ISLANDS.

Manila—Royal Economical Society.

STRAITS SETTLEMENT.

Singapore—Royal Asiatic Society.

AUSTRALASIA.

AUSTRALIA.

NEW SOUTH WALES—

Sydney—Agricultural Society of New South Wales; Geographical Institute; Linnean Society of New South Wales; Royal Society of New South Wales.

QUEENSLAND—

Brisbane—Acclimatization Society.

Adelaide—Royal Society of South Australia: South Australia Institute.

VICTORIA—

Collingwood—Field Naturalists' Club of Victoria.

Melbourne—Eclectic Association of Victoria; Geographical Society; Natural History Society; Royal Philosophical Society of Victoria; Royal Society of Medicine; Royal Society of Victoria; Zoological and Acclimatization Society.

NEW ZEALAND.

Auckland—Auckland Institute.

Christchurch—Canterbury Acclimatization Society; Philosophical Institute of Canterbury.

Dunedin—Otago Institute.

Hokitika—Westland Institute.

Nelson—Nelson Association for the Promotion of Science and Industry; Nelson Institute.

Wellington—New Zealand Institute; Wellington Philosophical Society; Westland Naturalists' and Acclimatization Society.

TASMANIA—

Hobarton—Royal Society of Tasmania.

EUROPE.

AUSTRIA-HUNGARY.

Agram (Croatia)—Gesellschaft für Sud-Slavische Alterthümer (Southern Slav Antiquarian Society).

Kroatisch-Slavonische Landwirthschafts Gesellschaft (Croatian-Slavonic Agricultural Society).

Südslavische Akademie der Wissenschaften und Kunst (Southern Slav Academy of Sciences and Arts).

Brunn (Austria)—K. K. Mährisch-schlesische Gesellschaft für Ackerbau, Natur und Landeskunde (Imperial Royal Moravian-Silesian Society of Agriculture, Natural History, and Geography).

Naturforschender Verein (Naturalists' Society).

Budapesth (Hungary)—Geologische Gesellschaft für Ungarn (Geological Society of Hungary).

Industrielle Gesellschaft (Industrial Society).

Királyi Magyar Természettudományi Tarsulat (Royal Hungarian Society of Natural Sciences).

Magyar Tudományos Akademia (Hungarian Academy).

Soc. de Geographie de Hongrie.

Czernowitz (Austria)—Verein für Landeskultur und Landeskunde im Herzogthume Bukowina (Agricultural and Geographical Society of the Duchy of Bukowina).

Gortz (Illyria)—K. K. Ackerbau Gesellschaft (Imperial Royal Agricultural Society).

Graz (Styria)—Historischer Verein für Steiermark (Historical Society of Styria).

K. K. Steiermärkische Landwirthschafts-Gesellschaft (Imperial Royal Styrian Agricultural Society).

Naturwissenschaftlicher Verein für Steiermark (Styrian Society of Natural Sciences).

Steiermärkischer Industrie-und-Gewerbe-Verein (Styrian Industrial and Polytechnical Society).

Verein der Aerzte in Steiermark (Society of Styrian Physicians).

Hall (Tyrol)—Verein zur Geologischen Durchforschung Tirols und Vorarlbergs (Society for the Geological Exploration of Tyrol and Vorarlberg).

Hermannstadt (Transylvania)—Siebenbürgischer Verein für Naturwissenschaften (Transylvanian Society of Natural Sciences).

Verein für Siebenbürgische Landeskunde (Transylvanian Geographical Society).

Innsbruck (Tyrol)—Ferdinandeum.

K. K. Landwirthschafts-Gesellschaft für Tirol und Vorarlberg (Imperial Royal Agricultural Society of Tyrol and Vorarlberg).

Naturwissenschaftlich-Medicinischer Verein (Society of Natural and Medical Science).

Klagenfurt (Carinthia)—Geschichts-Verein für Kärnten (Historical Society of Carinthia).

Kärntnerischer Gartenbau Verein (Carinthian Horticultural Society).

K. K. Landwirthschafts-Gesellschaft (Imperial Royal Agricultural Society).

Berg und Huttenmannischen Vereins.

Krakau (Galicia)—Galizische Fischzüchter Gesellschaft (Galician Society of Pisiculture).

C. K. Akademija Umiejetno'sci (Academy of Science).

Medical Society.

Laibach (Illyria)—Historischer Verein für Krain (Historical Society of Carniola).

Juristische Gesellschaft (Jurists' Association).

K. K. Landwirthschafts-Gesellschaft (Imperial Royal Agricultural Society).

Slovenischer Literatur-Verein (Slovenic Literary Society).

Leoben (Styria)—K. K. Berg Akademie (Imperial Royal Mining Academy).

Linz (Austria)—K. K. Landwirthschafts-Gesellschaft (Imperial Royal Agricultural Society).

Neu Titschin (Austria)—Landwirthschaftlicher Verein (Agricultural Society).

Prag (Bohemia)—Böhmische Chemische Gesellschaft (Chemical Association of Bohemia).

Böhmischer Gewerbe Verein (Bohemian Industrial Society).

K. Böhmische Gesellschaft der Wissenschaften (Royal Scientific Society of Bohemia).

Naturhistorischer Verein "Lotos" ("Lotos" Natural History Association).

Schafzüchter Verein für Böhmen (Flockmasters' Association of Bohemia).

Verein für Geschichte der Deutschen in Böhmen (Historical Society of the Germans in Bohemia).

Verein zur Ermunterung des Gerwerbegeistes in Böhmen (Society for the Encouragement of Industrial Enterprise in Bohemia).

Architekten- und Ingenieur- Vereins in Böhmen (Architects and Engineers Society of Bohemia).

Presburg (Hungary)—Verein für Naturkunde (Natural History Society).

Salzburg (Austria)—K. K. Landwirthschafts-Gesellschaft (Imperial Royal Agricultural Society).

Trieste (Illyria)—Ackerbau Gesellschaft (Agricultural Society).

Soc. Adriatica ei Scienze-Naturali (Adriatic Society of Natural Science).

Soc. Agraria (Agrarian Society).

Soc. par la Lettura Populare (Society for Popular Lectures).

Soc. Scientifico Letteraria della Minerva (Minerva Scientific Literary Society).

Vienna (Austria)—Algemeiner Oester. Apotheker Verein (Austrian Apothecaries' Association).

Anthropologische Gesellschaft (Anthropological Society).

Entomologischer Verein (Entomological Society).

Kaiserliche Akademie der Wissenschaften (Imperial Academy of Science).

K. K. Central Anstalt für Meteorologie und Erd-Magnetismus (Imperial Royal Central Institute of Meteorology and Terrestrial Magnetism).

K. K. Gartenbau Gesellschaft (Imperial Royal Horticultural Society).

K. K. Geographische Gesellschaft (Imperial Royal Geographical Society).

K. K. Gesellschaft der Aerzte (Imperial Royal Society of Physicians).

K. K. Reichs Landwirthschafts Gesellschaft (Imperial Royal Agricultural Society).

K. K. Zoologisch-Botanische Gesellshaft (Imperial Royal Zoological-Botanical Society).

Oesterr. Gesellschaft für Meteorologie (Austrian Meteorological Society).

Oesterr. Ingenieur- und Architecten- Verein (Austrian Association of Engineers and Architects).

Ornithologischer Verein (Ornithological Society).

Photographische Gesellschaft (Photographical Society).

Polytechnische Gesellschaft (Polytechnical Society).

Verein der Geographen an der K. K. Universität (Society of Geographers of the Imperial Royal University).

Verein zur Verbreitung Naturwissenschaftlicher Kenntnisse (Society for Diffusion of Knowledge of Natural Science).

Wissenschaftlicher Club (Scientific Club).

Zara (Dalmatia)—Società Economica di Dalmazia (Economical Society of Dalmatia).

BELGIUM.

Antwerp—Académie d'Archéologie de Belgique; Académie Royale des Beaux Arts; Cercle Artistique, Littéraire et Scientifique d'Anvers; Société Belge de Géographie; Société de Médecine; Société de Pharmacie; Société Royale d'Horticulture et d'Agriculture; Société Royale de Zoologie.

Bruges—Société d'Emulation pour l'étude de l'Histoire et des Antiquités de la Flandre; Société pour l'Encouragement des Beaux Arts, et de la Litterature; Société d'Horticulture et de la Botanique; Société Medico-Chirurgicale de Bruges.

Brussels—Académie Royal de Médecine; Académie Royal des Sciences, de Lettres, et des Beaux Arts de Belgique; Société Belge de Géographie; L'Association des Ingénieurs sortis des Écoles spéciales de Gand; Société Belge de Médecine Homœopathique; Société Belge de Microscopie; Société Centrale d'Agriculture de Belgique; Société Entomologique de Belgique; Société Malacologique de Belgique; Société Royale de Numismatic Belge; Société Royale de Pharmacie de Bruxelles; Société Royale de Botanique de Belgique; Société Royale de Flore; Société Royale Linnéenne de Bruxelles; Société Royale de Zoologie, d'Horticulture et d'Ornament; Société Royale des Science Médicales et Naturelles; Société Scientifique de Bruxelles.

Charleroi—Société Paléontologique et Archæologique de l'Arrondissement.

Ghent—Maatschappij van Nederlandsche Letterkunde en Geschiedenes (Society of Indigenous Literature of the Netherlands).

Société d'Histoire Naturelle; Société de Médecine; Société Royale d'Agriculture et de Botanique; Société Royale des Beaux Arts et de Littérature; Soc. Het Willemsfonds (Philological).

Hay—Cercle des Sciences et Beaux Arts.

Liège—Association des Ingenieurs sortis de l'Ecole de Liège; Institut Archéologique Liègeois; Société Géologique de Belgique; Société libre d'Emulation pour l'Encouragement des Lettres et Beaux Arts; Société Liègeois de Littérature Wallonne; Société Medico-Chirurgicale de Liège; Société Royale d'Horticulture; Société Royale des Sciences; Société des Sciences Naturelles.

Louvain—Société Littéraire de l'Université Catholique.

Melle (near Ghent).—Institution Littéraire, Scientifique, Commerciale et Industrielle.

Mons—Cercle Archéologique; Société des Anciens Eleves de l'Ecole des Mines du Hainaut; Société des Bibliophiles Belges; Société des Sciences, des Arts et des Lettres du Hainaut.

Namur—Cercle Artistique et Littéraire; Société Agricole et Forestière de la Province de Namur; Société Archéologique.

St. Nicholas—Cercle Archéologique du Pays de Waas.

Termonde—Cercle Archéologique de la Ville et de l'Ancien Pays de Termonde.

Tongues—Société Scientifique et Littéraire du Limbourg.

Tournai—Société Historique et Littéraire de Tournai.

Verviers—Société Archéologique de Verviers; Société Royale d'Agriculture et de Botanique.

Ypres—Société Historique, Archéologique et Littéraire de la Ville d'Ypres et de l'Ancienne West-Flandre.

DENMARK.

Copenhagen—Botaniske Forening (Botanic Society); Danske Meteorologiske Institut (Danish Meteorological Society); Geografiske Selskab (Geographical Society).

Islandiske Litteroere Selskab (Icelandic Literary Society).

K. Danske Selskab for Faedrelandets Historie og Sprog (Royal Danish Society of the National History and Language).

K. Danske Videnskabernes Selskab (Royal Danish Society of Science).

K. Landhuusholdnings Selskab (Royal Agricultural Society).

K. Mediciniske Selskab (Royal Medical Society).

K. Nordiske Oldskrift Selskab (Royal Society of Northern Antiquaries).

Naturhistoriske Forening (Nataral History Society).

Samfundet til den Danske Literaturs Fremme (Society for the Advancement of Danish Literature).

Veterinaer Selskab (Veterinary Society).

Odense—Danmark Apotheker Forening (Danish Apothecary Association).

FRANCE.

Peripatetic—Association Française pour l'Avancement des Sciences; Association Scientifique de France; Congrès Archéologique de France; Institut des Provinces de France.

Abbeville—Société d'Emulation.

Agen—Société d'Agriculture, Sciences et Arts d'Agen.

Aix—Académie des Sciences, Agriculture, Arts et Belles-Lettres; Société Historique de la Province.

Alais—Société Scientifique et Littéraire.

Amiens—Académie des Sciences, Lettres et Arts d'Amiens; Conference Littéraire et Scientifique de Picardie; Société Industrielle d'Amiens; Société Linnéenne du Nord de la France.

Angers—Comité Historique et Artistique de l'Ouest; Société Académique de Maine-et-Loire; Société Industrielle et Agricole; Société d'Etudes Scientifiques; Société Linnéenne du Department de Maine-et-Loire; Société Nationale d'Agriculture, Sciences et Arts.

Angoulême—Société d'Agriculture, Arts et Commerce du Département de la Charente; Société Archéologique de la Charente.

Annecy—Société Florimontaine.

Apt—Société Littéraire, Scientifique et Artistique d'Apt.

Argenton-sur-Creuse—Société Pharmaceutique du Département de l'Indre.

Arles—Commission Archéologique.

Arras—Académie des Sciences, Lettres et Arts d'Arras; Commission des Monuments Historiques, et des Antiquités du Département de Pas de Calais.

Auch—Société Historique de Gascogne.

Aurillac—Société Académique.

Autun—Société Eduenne des Lettres, Sciences et Arts.

Auxerre—Société des Sciences, Historiques et Naturelles de l'Yonne; Société Médicale d l'Yonne.

Avallon—Société d'Etudes d'Avallon.

Avernes—Société Archéologique de l'Arrondissement d'Avernes.

Avignon—Société Archéologique.

Avranches—Société d'Archéologie, Litterature, Sciences et Arts d Avranches.

Bagnères de Bigorre—Société Ramond.

Bar-le-Duc—Société des Lettres, Sciences et Arts de Bar-le-Duc; Société du Musée.

Bayeux—Société d'Agriculture, Sciences, Arts et Belles-Lettres.

Bayonne—Société des Sciences et Arts.

Beaune—Société d'Archéologie, d'Histoire et de Litterature de l'Arrondissement de Beaune.

Beauvais—Société Académique d'Archéologie, Sciences et Arts du Département de l'Oise.

Belfort—Société Belfortaine d'Emulation.

Bergues—Société de la Histoire et des Beaux-Arts de la Flandre Maritime.

Besançon—Académie des Sciences, Belles-Lettres et Arts; Société d'Emulation du Doubs.

Béziers (Herault)—Société Archéologique; Société d'Etudes des Sciences Naturelles de Béziers.

Blois—Société des Sciences et Lettres de Loire-et-Cher.

Bordeaux—Académie Ethnographique de la Gironde; Académie des Sciences, Belles-Lettres et Arts; Association Bastiat; Institut Confucius de France; Société d'Agriculture de la Gironde; Société Archéologique de la Gironde; Société des Archives Historiques de la Gironde; Société des Bibliophiles de Guyenne; Société de Géographie Commerciale; Société d'Horticulture de la Gironde; Société Humanitaire et Scientifique de Sud-Ouest de la France; Société Linnéenne de Bordeaux; Société de Médecine de Bordeaux; Société de Médecine et de Chirugie de Bordeaux; Société Médico-Chirurgicale des

Hôpitaux et Hospices de Bordeaux ; Société de Pharmacie ; Société Philomathique de Bordeaux ; Société des Science Physiques et Naturelles.

Boulogne—Société Académique ; Société d'Agriculture.

Bourg—Société d'Emulation de l'Ain ; Société Littéraire Historique et Archéologique du Département de l'Ain.

Bourges—Société Historique Littéraire Artistique et Scientifique du Cher (Ancienne Commission Historique du Cher); Société d'Agriculture du Département de Cher.

Brest—Société Académique de Brest ; Société d'Agriculture de Brest.

Briey—Société Archéologique et Historique.

Caen—Académie des Sciences, Arts et Belles-Lettres ; Association d'Agriculture et d'Horticulture, des Institutes de la Zone Communale de Valcongrain ; Association Normande pour les progrès de l'Agriculture, de l'Industrie et des Arts ; Société d'Agriculture et de Commerce de Caen ; Société des Antiquaires de Normandie ; Société Française d'Archéologie pour la Conservation et la Description des Monuments Historiques ; Société Linnéenne de Normandie ; Société de Médecine de Caen.

Cahors—Société des Etudes Littéraires, Scientifiques et Artistiques du Lot.

Cambrai—Société d'Emulation.

Cannes—Société des Sciences Naturelles des Lettres, et des Beaux-Arts de Cannes et de l'Arrondissement de Grasse.

Carcassonne—Société des Arts et Sciences.

Castres—Commission des Antiquités de la Ville de Castres et du Département de Tarn ; Société Scientifique et Littéraire de Castres.

Chalons-sur-Marne—Société d'Agriculture, Commerce et Sciences de la Marne.

Chalons-sur-Saône—Société Archéologique de Chalons ; Société des Sciences Naturelles de Saône-et-Loire.

Chambéry—Académie des Sciences, Lettres et Arts de Savoie ; Société Médicale ; Société Savoisienne d'Histoire et d'Archéologie.

Chartres—Société Archéologique d'Eure-et-Loire ; Société d'Horticulture et de Viticulture d'Eure et-Loire.

Chateau-Dun—Société Dunoise.

Chateau-Roux—Société d'Agriculture de l'Indre.

Chateau-Thierry—Société Historique et Archéologique de Chateau-Thierry.

Chauny—Société de Pomologie et d'Aboriculture de Chauny ; Société Régionale d'Horticulture dont Chauny est le Centre.

Cherbourg—Société Académique de Cherbourg ; Société Nationale des Sciences Naturelles et Mathematiques de Cherbourg.

Clamecy—Société Scientifique et Artistique.

Clermont-Ferrand—Académie des Sciences, Belles-Lettres et Arts.

Clermont-Oise—Société d'Agriculture de Clermont-Oise ; Société d'Horticulture de Clermont-Oise.

Compiègne—Société Historique de Compiègne.

Coulommiers—Société d'Horticulture de l'Arrondissement de Coulommiers.

Coutance—Société Académique de Cotenten.

Dax—Société de Borda.

Dijon—Académie des Sciences, Arts et Belles-Lettres de Dijon ; Commission Archéologique de la Côte d'Or ; Société d'Agriculture et d'Industrie Agricole du Département de la Côte-d'-Or ; Société d'Horticulture de la Cote-d-Or.

Douai—Association Vétérinaire des Départements du Nord, et du Pas-de-Calais ; Société d'Agriculture, Sciences et Arts de Douai ; Union Géographique du Nord de la France.

Draguignan—Société d'Agriculture de Commerce et de l'Industrie du Département du Var ; Société des Etudes Scientifiques et Archéologiques.

Dunkerque—Société Dunkerqnoise pour l'Encouragement des Sciences.

Elbeuf—Société Industrielle d'Elbeuf.

Epinal—Société d'Emulation du Département des Vosges.

Evreux—Société Libre d'Agriculture, Sciences, Arts et Belles-Lettres de l'Eure.

Fontenay-le-Comte—Société d'Horticulture.

Gannat—Société des Sciences Médicales de Gannat.

Grenoble—Académie Delphinale ; Société d'Agriculture et d'Horticulture de Grenoble ; Société de Médecine et de Pharmacie de l'Isère ; Société de Statistique du Département de l'Isère.

Gueret—Société des Sciences Naturelles et Archéologiques de la Creuse.

Langues—Société Historique et Archéologique.

Laon—Société Académique de Laon.

La Roche-sur-Yon—Société d'Emulation de la Vendée.

La Rochelle—Académie des Belles-Lettres, Sciences et Arts de La Rochelle.

Laval—Société de l'Industrie de la Mayenne.

Le Havre—Société Geologique de Normandie ; Société Nationale Havraise d'Etudes diverses ; Société de Pharmacie du Havre ; Société des Sciences, Arts, Agriculture et Horticulture du Havre.

Le Mans—Société d'Agriculture, Sciences et Arts de la Sarthe ; Société Historique et Archéologique du Maine ; Société de Médecine du Departément de la Sarthe.

Le Puy—Société d'Agriculture, Sciences, Arts et Commerce.

Le Vans—Société Historique et Archéologique du Canton des Vans.

Lille—Commission Historique du Département du Nord ; Comité Flamand de France ; Société des Architectes du Département du Nord ; Société Centrale de Médecine du Nord de la France ; Société Geologique du Nord ; Société des Sciences de l'Agriculture et des Arts.

Limoges—Commission Météorologique de la Haute Vienne ; Société Archéologique et Historique du Limousin ; Société de Médecine et de Pharmacie de la Haute Vienne ; Société d'Agriculture, des Sciences et Arts de la Haute Vienne.

Lisieux—Société d'Agriculture du Centre de la Normandie ; Société d'Horticulture et de Botanique du Centre de la Normandie.

Lons-le-Saulnier—Société d'Emulation du Jura ; Société Pomologique de France.

Lyon—Académie des Sciences, Belles-Lettres et Arts de Lyon ; Association Lyonnaise des Amis des Sciences Naturelles ; Société Académique d'Architecture de Lyon; Société d'Agriculture, Histoire Naturelles et Arts Utiles de Lyon ; Société Botanique de Lyon ; Société d'Etudes Scientifiques ; Société de Géographie ; Société Linnéenne de Lyon ; Société Littéraire, Historique et Archéologique ; Société Nationale de Médecine de Lyon ; Société Pomologique de France ; Société des Sciences Industrielles ; Société des Sciences Médicales de Lyon.

Maçon—Académie de Maçon ; Société des Arts, Belles-Lettres et d'Agriculture.

Moulins—Société d'Emulation du Département de l'Allier ; Société d'Horticulture de l'Allier.

Moutiers—Académie de la Val de l'Isère.

Nancy—Académie de Stanislas ; Ecole de Médecine et de Pharmacie ; Société d'Archéologie Lorraine ; Société Centrale d'Agriculture ; Société de Médecine ; Société des Sciences de Nancy.

Nantes—Société Académique de la Loire Inférieure ; Société Archéologique de

Nantes et de la Loire Inférieure; Société des Beaux-Arts; Société des Bibliophiles Bretons; Société d'Histoire Naturelle.

Nevers—Société Nivernaise des Sciences, Lettres et Arts.

Nice—Société Centrale d'Agriculture, d'Horticulture et d'Acclimatation; Société des Architectes des Alpes Maritimes; Société des Lettres, Sciences, et Arts des Alpes Maritimes.

Nîmes—Académie de Nîmes; Société d'Etudes des Sciences Naturelles; Société d'Horticulture et de Botanique du Gard.

Niort—Société des Arts, Sciences et Belles-Lettres; Société d'Horticulture, d'Aboriculture et de Viticulture des Deux-Sèvres; Société de Statistiques, Sciences et Arts du Département des Deux-Sèvres.

Noyon—Comité d'Historique et Archéologique de Noyon.

Orleans—Académie de Sainte Croix; Société d'Agriculture, Sciences, Belles-Lettres et Arts d'Orleans; Société Archéologique et Historique de l'Orléanais; Société d'Horticulture d'Orléans.

Paris—Institut de France; Académie Française; Académie des Inscriptions et Belles-Lettres; Académie des Sciences; Académie des Beaux-Arts; Académie des Sciences Morales et Politiques; Académie Nationale de Médecine; Association pour l'Avancement des Sciences; Association pour l'Encouragement des Etudes Grecques en France; Conservatoire des Arts et Métiers; Institut Agronomique; Institution Ethnographique; Société Académique Indo-Chinoise de Paris pour l'Etude Scientifique et Economique de l'Inde Transgangétique de l'Inde Française et de la Malaise; Société d'Acclimatation; Société des Agriculteurs de France; Société Anatomique; Société d'Anthropologie; Société d'Agriculture; Société Asiatique; Société de Biologie; Société Botanique de France; Société Centrale des Architectes; Société Centrale Nationale d'Horticulture de Paris; Société Centrale de Médecine Vétérinaire; Société Chimique de France; Société de Chirurgie de Paris; Société de l'Ecole des Chartes; Société d'Encouragement pour l'Industrie Nationale; Société Entomologique de France; Société d'Ethnographie; Société des Etudes Historiques; Société des Etudes Japonaises, Chinoises, Tartares et Indo-Chinoises; Société Française d'Archéologique et de Numismatique; Société Française d'Hygiène; Société Française de Navigation Aérienne; Société Française de Statisque Universelle; Société Franklin; Société de Géographie; Société Géologique de France; Société de l'Histoire de France; Société de l'Histoire du Protestantisme Française; Société des Ingénieurs Civils; Société de Législation Comparée; Société de Linguistique de Paris; Société Médicale Allemande de Paris; Société Médicale des Hôpitaux de Paris; Société Medico-Légale de Paris; Société Météorologique de France; Société Minéralogique de France; Société Nationale des Antiquaires de France; Société Nationale d'Agriculture de France; Société Nouvelle des Forges et Chantiers de la Méditerranée; Comité des Forges de France; Société de Pharmacie; Société Technique de l'Industrie du Gas en France; Société Philologique de Paris; Société Philomatique; Société Polytechnique; Société de Statistique de Paris; Société de Thérapeutique; Société Zoologique de France; Association amicale des anciens Élèves de l'École centrale des Arts et Manufactures.

Pau—Société des Sciences, Lettres et Arts de Pau.

Périgueux—Société d'Agriculture, Sciences et Arts de la Dordogne; Société Historique et Archéologique du Périgord.

Perpignan—Société Agricole, Scientifique et Littéraire des Pyrenées Orientales.

Poitiers—Société d'Agriculture, Belles-Lettres, Sciences et Arts; Société des Antiquaires de l'Ouest; Société des Archives Historiques; Société de Médecine de Poitiers.

Poligny—Société d'Agriculture, Sciences et Arts de Poligny.

Privas—Société des Sciences Historiques et Naturelles de l'Ardèche.

Rambouillet—Société Archéologique.

Reims—Académie Nationale de Reims; Musée d'Histoire Naturelle de Reims; Société Industrielle de Reims; Société Médicale; Société des Sciences Naturelles.

Rennes—Bibliothèque de Rennes; Société Archéologique du Département d'Ille-et-Vilaine; Société des Sciences Physiques et Naturelles du Département d'Ille-et-Vilaine.

Riom—Société du Musée de Riom.

Rochefort—Société d'Agriculture, des Belles-Lettres, Sciences et Arts de Rochefort; Société de Géographie.

Rodez—Société des Lettres, Sciences et Arts de l'Aveyron.

Roubaix—Société d'Emulation de Roubaix.

Rouen—Académie des Sciences, Belles-Lettres et Arts de Rouen; Commission des Antiquités de la Seine Inférieure; Société des Amis des Sciences Naturelles de Rouen; Société des Bibliophiles, Normandes; Société Centrale d'Horticulture de la Seine Inférieure; Société de l'Histoire de Normandie; Société Industrielle de Rouen; Société Libre d'Emulation du Commerce et du l'Industrie de la Seine Inférieure; Société de Médecine; Société Normande de Géographie.

Saint Brienne—Société Archéologique et Historique des Côtes-du-Nords; Société d'Emulation des Côtes-du-Nord.

Saint-Die—Société Philomatique Vosgienne.

Saint-Etienne—Société d'Agriculture, Industrie, Sciences, Arts et Belles-Lettres du Département de la Loire; Société de l'Industrie Minérale; Société de Médecine.

Saint-Germain-en-Laye—Société d'Horticulture de Saint-Germain-en-Laye.

Saint-Jean-d'Angely—Académie des Muses Santonnes; Société Historique et Scientifique; Société Linnéenne de la Charente Inférieure.

Saint-Jean-de-Maurienne—Société d'Histoire et d'Archéologie de Maurienne.

Saint-Lo—Société d'Agriculture, d'Archéologie et d'Histoire Naturelle du Département de la Manche.

Saint-Maixent—Société de Statistique, Sciences et Arts des Deux-Sèvres.

Saint-Omer—Société des Antiquaires de la Morinie.

Saint-Quentin—Société Académique des Sciences, Belles-Lettres et Agriculture; Société d'Horticulture de Saint-Quentin; Société Industrielle de Saint Quentin et de l'Aisne.

Saintes—Société des Archives Historiques de la Saintonge; Société des Arts, Sciences et Belles-Lettres.

Sémur—Société des Sciences Historiques et Naturelles de Sémur.

Senlis—Comité Archéologique de Senlis; Société d'Horticulture de l'Arrondissement de Senlis.

Sens—Société Archéologique.

Soissons—Société Archéologique, Historique et Scientifique de Soissons; Société des Sciences, Belles-Lettres et Arts.

Tarbes—Société Académique des Hautes Pyrenées.

Toulon—Société Académique du Var.

Toulouse—Académie des Sciences, Inscriptions et Belles-Lettres de Toulouse; Société Académique Hispano-Portuguese; Société d'Agriculture de la Haute Garonne et de l'Ariège; Société Archéologique du Midi de la France; Société d'Histoire Naturelle de Toulouse; Société Nationale de Médecine, Chirurgie et Pharmacie de Toulouse; Société des Sciences Physiques et Naturelles.

Tours—Société d'Agriculture, Sciences, Arts et Belles-Lettres; Société Archéologique de Touraine.

Troyes—Société Académique d'Agriculture, Sciences, Arts et Belles-Lettres de l'Aube; Société Horticole, Viguéronne et Forestière de Troyes.

Valence—Société Départementale d'Agriculture de la Drôme; Société Départementale d'Archéologie et de Statistique de la Drôme.

Valenciennes—Société d'Agriculture, Sciences et Arts de l'Arrondissement de Valenciennes.

Vannes—Société Philomatique du Morbihan.

Vendôme—Société Archéologique, Scientifique et Littéraire de Vendomois.

Verdun—Société Philomatique.

Versailles—Société d'Agriculture et des Arts de Seine-et-Oise; Société d'Horticulture du Département de Seine-et-Oise; Société des Sciences Morales, des Lettres et des Arts de Seine-et-Oise; Société des Sciences Naturelles et Médicales de Seine-et-Oise.

Vesoul—Commission d'Archéologique de la Haute-Saône; Société d'Agriculture, Sciences et Arts de la Haute-Saône.

Vire—Société Viroise d'Emulation pour le Developement des Belles-Lettres, Sciences, Arts et de l'Industrie.

Vitry-le-François—Société des Sciences et Arts de Vitry-le-François.

GERMANY.

Aachen (Aix-la-Chapelle)—Geschichts-Verein (Historical Society).
Naturwissenschaftliche Gesellschaft (Natural History Society).
Aerztlicher Verein (Medical Society).

Allenburg (Prussia)—Gesammt-Verein der Deutschen Geschichts und Alterthums-Vereine (Central Union of German Historical and Archæological Associations).

Altenburg (Saxe-Weimar)—Geschichts und Alterthums-forschende Gesellschaft (Society for Historical and Archæological Research).
Naturforschende Gesellschaft des Osterlandes (Natural History Society of the Osterland).
Pomologische Gesellschaft (Pomological Society).
Landwirthschaftlicher Verein (Agricultural Society).

Annaberg (Saxony)—Annaberg Bucholzer Verein für Naturkunde (Annaberg-Bucholz Association of Natural History).

Ansbach (Bavaria)—Historischer Verein für Mittelfranken (Historical Society of Central Franconia).

Arnsberg (Prussia)—Landes-Kultur Gesellschaft für den Regierungs-Bezirk Arnsberg (Agricultural Society for the District of Arnsberg).

Arolsen (Waldeck)—Landwirthschaftlicher Verein im Fürstenthum Waldeck (Agricultural Society of the Principality of Waldeck).

Augsburg (Bavaria)—Historischer Verein von Schwaben und Neuberg (Historical Society of Swabia and Neuberg).
Deutscher Apotheker Verein (Society of German Apothecaries).

Landwirthschaftlicher Verein für Schwaben und Neuberg (Agricultural Society for Swabia and Neuberg).
Naturhistorischer Verein (Natural History Society).

Baden—Alterthums-Verein (Archæological Society).

Bamberg (Bavaria)—Naturforschende Gesellschaft (Natural History Society).
Historischer Verein (Historical Society).

Bayreuth (Bavaria)—Historischer Verein für Oberfranken (Historical Society for Upper Franconia).
Polytechnische Gesellschaft (Polytechnical Society).

Bendorf [bei Koblenz] (Prussia)—Deutsche Gesellschaft für Psychiatrie und Gerichtliche Psychologie (German Society of Psychiatry and Criminal Psychology).
Acclimatisations-Verein (Acclimatisation Society).

Berlin (Prussia)—Afrikanische Gesellschaft (African Society).
Akademie des Bauwesens (Academy of Architecture).
Architecten Verein (Society of Architects).
Archäologische Gesellschaft (Archæological Society).
Berliner Medicinische Gesellschaft (Berlin Medical Society).
Botanischer Verein für die Provinz Brandenburg (Botanical Society of the Province of Brandenburg).
Berlinische Gesellschaft für Deutsche Sprache und Alterthumskunde (Society for German Language and Archæology).
Deutsche Botanische Gesellschaft (Botanical Society).
Deutsche Chemische Gesellschaft (German Chemical Society).
Deutscher Entomologischer Verein (German Entomological Society).
Deutscher Fischerei Verein (German Piscatory Society).
Deutsche Geologische Gesellschaft (German Geological Society).
Deutsche Gesellschaft für Anthropologie, Ethnologie und Urgeschichte (German Society of Anthropology, Ethnology, and Primitive History).
Deutsche Gesellschaft Chirurgie (Society for Surgery).
Deutsche Gesellschaft zur Erforschung Equatorial Afrikas (Society for Exploration of Equatorial Africa).
Deutsche Gewerbe Museum (German Polytechnic Museum).
Deutscher Handels-Verein (Commerce Society).
Deutsche Ornithologische Gesellschaft (German Ornithological Society).
Deutsche Shakespeare Gesellschaft (German Shakespeare Society).
Deutscher Verein für Heilwissenschaft (German Medical Science Society).
Deutscher Verein zur Förderung der Luftschifffahrt (Aeronautical Society).
Deutsche Zoologische Gesellschaft (German Zoological Society).
Elektrotechnischer Verein (Electrical Society).
Frei Handels Verein (Free Trade Society).
Gesellschaft für Erdkunde (Geographical Society).
Gesellschaft für Deutsche Philologie (German Philology).
Gesellschaft für Geburtshülfe (Obstetrical Society).
Gesellschaft für Heilkunde (Medical Society).
Gesellschaft für Mikroscopie (Microscopical Society).
Gesellschaft Naturforschende Freunde (Society of Friends for Research in Natural History).
Historische Gesellschaft (Historical Society).
Horticultur Gesellschaft [Dr Koch] (Horticultural Society).

K. Preussische Akademie der Wissenschaften (Royal Prussian Academy of Science).

K. Preussisches Geödatisches Institut (Royal Prussian Geodetic Institute).

K. Preussisches Meteorologisches Institut (Royal Prussian Meteorological Institute).

Juristische Gesellschaft (Law Society).

Mathematischer Verein der Universität Berlin (University Mathematical Society).

Medicinische Gesellschaft (Medical Society).

Numismatische Gesellschaft (Numismatic Society).

Philologischer Verein (Philological Society).

Philosophische Gesellschaft (Philosophical Society).

Physikalische Gesellschaft (Physical Society).

Physiologische Gesellschaft (Physiological Society).

Polytechnische Gesellschaft (Polytechnical Society).

Verein der Apotheker (Apothecary Society).

Verein Deutscher Eisenbahn Verwaltungen (Association of German Railroad Managers).

Verein Deutscher Ingenieure (German Engineers Association).

Societät für Wissenschaftliche Kritik (Society for Scientific Criticism).

Verein für Eisenbahnkunde (Society for Railroad Engineering).

Verein für Deutsche Volkswirthschaft (Society for German Political Economy).

Verein für Deutsche Statistik (Statistical Society).

Verein für Heilkunde in Preussen (Medical Society in Prussia).

Verein für die Geschichte der Mark Brandenburg (Society for the History of the Province of Brandenburg).

Verein für Stadt Berlin's Geschichte (Society for the History of Berlin).

Verein zur Beförderung des Gartenbaues in den K. Preussischen Staaten (Society for the Promotion of Horticulture).

Verein zur Beförderung des Gewerbefleisses in Preussen (Society for the Promotion of Industry).

Verein zur Förderung der Photographie (Society for the Advancement of Photography).

Volkswissenschaftliche Gesellschaft (Political Economy Society).

Blankenburg (Brunswick)—Naturwissenschaftlicher Verein des Harzes (Natural Science Society of the Harz).

Botanischer Verein am Mittel und Niederrhein (Middle and Lower Rhine Botanical Society).

Bonn (Prussia)—Landwirthschaftlicher Central Verein für Rhein-Preussen (Central Agricultural Society of Rhenish Prussia).

Gowes-Gesellschaft zur Pflege der Wissenschaft in Katholischen Deutschland (Catholic Scientific Society).

Naturhistorischer Verein der Preussischen Rheinlande und Westphalens (Natural History Society of the Rhenish Provinces and Westphalia).

Societas Philologie (Philological Society).

Naturwissenschaftlicher Verein (Natural Science Society).

Niederrheinische Gesellschaft für Natur und Heilkunde (Nether-Rhenish Society for Natural and Medical Science).

Verein für Alterthumsfreunde im Rheinlande (Rhenish Friends of Antiquity Society).

Verband der aerztlichen Vereine in Rheinland, Nassau, Westphalen, und Lothringen (Union of Medical Societies).

Brandenburg (Prussia)—Historischer Verein (Historical Society).

Braunsberg—Historischer Verein für Ermland (Historical Society of Ermland).

Braunschweig (Brunswick)—Archiv für Anthropologie (Archive of Anthropology).

Deutsche Ornithologische Gesellschaft (German Ornithological Society).

Verein für Naturwissenschaften (Natural Science Society).

Verein für Offentliche Gesundheitspflege (Sanitary Association).

Bremen (Germany)—Geographische Gesellschaft (Geographical Society).

Landwirthschafts Verein (Agricultural Society).

Naturwissenschaftlicher Verein (Natural Science Society).

Deutsche Gesellschaft (German Society).

Aerztlicher Verein (Medical Society).

Breslau (Prussia)—Academischer Naturwissenschaftlicher Verein (Natural History Society).

Academischer Verein für Lausitzische Gedichte und Sprache (Academical Society for Lusatian Poems and Language).

Landwirthschaftlicher Central Verein für Schlesien (Central Agricultural Society for Silesia).

Historisch-Philosophische Gesellschaft (Historico-Philosophical Society).

Physiologisches Institut (Physiological Institute).

Physikalischer Verein (Physical Society).

Schlesischer Central Gewerbe Verein (Silesian Central Technical Society).

Schlesische Gesellschaft für Vaterländische Kultur (Silesian Society for National Improvement).

Verband für Schlesische Aerzte Vereine (Medical Society).

Verein für Schlesische Insektenkunde (Silesian Entomological Society).

Geschichte und Alterthums Schlesien (Silesian Historical and Antiquarian Society).

Wissenschaftlicher Verein (Scientific Society).

Brockhausen [bei Unna]—Gesellschaft Naturforschende Freunde Westphalens (Scientific Westphalian Society).

Bromberg (Prussia)—Landwirthschaftlicher Central Verein für den Netze District (Agricultural Union for the District of Netze).

Cassel—*See* Kassel.

Celle (Prussia)—K. Landwirthschafts-Gesellschaft (Royal Agricultural Society).

Chemnitz (Saxony)—Naturwissenschaftliche Gesellschaft (Natural Science Society).

Verein für Chemnitzer Geschichte (Society for the History of Chemnitz).

Clausthal—*See* Klausthal.

Coblentz—*See* Koblentz.

Cologne—*See* Köln.

Colmar (Alsace)—Société d'Histoire Naturelle de Colmar (Colmar Natural History Society).

Société Médicale du Haut Rhin (Upper Rhine Medical Society).

Corbach-Historischer Verein du Fürstenthume Waldeck und Pyrmont (Waldeck-Pyrmont Historical Society).

Crefeld-Naturwissenschaftlicher Verein (Crefeld Natural History Society).

Dantzig (Prussia)—Central Verein West-Preussischer Landwirthe (Central Association of West Prussian Agriculturists).

Naturforschende Gesellschaft (Natural History Society).

West-Preussische Botanisch-Zoologischer Verein (Botanic Zoological Society).

Darmstadt (Hesse)—Verein Hessischer Aerzte (Medical Society).

Grossherzoglich Hessischer Gewerbe Verein (Grand-Ducal Polytechnic Society).

Naturhistorischer Verein (Natural History Society).

Mittel Rheinischer Geologischer Verein (Geological Society).

Historischer Verein für das Grossherzogthum Hessen (Historical Society of the Grand-Duchy of Hesse).

Naturwissenschaftlicher Verein (Natural History Society).

Verein für Erdkunde und verwandte Wissenschaften (Geographical Society, &c.).

Dessau (Anhalt)—Naturhistorischer Verein (Natural History Society).

Verein für Anhaltische Geschichte und Alterthumskunde (History and Antiquities of Anhalt Society).

Dettmold—Naturwissenschaftlicher Verein im Fürstenthum Lippe (Natural Science Society for Principality of Lippe).

Aerztlicher Verein (Medical Society).

Donaueschingen (Baden)—Verein für Geschichte und Naturgeschichte der Baar (Historical and Natural History Society of the Baar).

Dortmund—Aerztlicher Verein (Medical Society).

Historischer Verein für Dortmund (Dortmund Historical Society).

Dresden (Saxony)—Afrikanische Gesellschaft (African Society).

Aerztlicher Verein (Medical Society).

Flora—Gesellschaft für Botanik und Gartenbau (Botanical and Horticultural Society "Flora").

Gebirgs-Verein für die Sächsisch-Böhmische Schweiz (Mining Society of Saxon Switzerland).

Gesellschaft für Botanik und Zoologie (Botanical and Zoological Society).

Gesellschaft für Sächsische Kirchengeschichte (Society for Church History of Saxony).

Gesellschaft für Natur und Heilkunde (Natural and Medical Science Society).

Gesellschaft für Mineralogie (Mineralogical Society).

Gewerbe Verein (Polytechnical Society).

Gesellschaft für Natur und Heilkunde (Scientific and Medical Society).

K. Oekonomie Gesellschaft im K. Sachsen (Royal Saxon Agricultural Society).

K. Sächsisches Polytechnicum (Royal Saxon Polytechnical Institute).

K. Sachsischer Verein für Alterthümer (Royal Saxon Antiquarian Society).

Landes Medicinal Collegium (National Medical Commission).

Naturwissenschaftliche Gesellschaft "Isis" (Natural Science Society "Isis").

Photographische Gesellschaft (Photographical Society).

Sachsischer Ingenieur und Architekten Verein (Saxon Engineers' and Architects' Association).

Statistischer Verein (Statistical Society).

Verein für Erdkunde (Geographical Society).

Verein für Geschichte und Topographie Dresdens (History and Topography of Dresden).

Vaterländischer Gebirgs-Verein (Patriotic Mining Society).

Verein Praktischer Geometer (Geometrical Society).

Durkheim (Bavaria)—Pollichia Naturwissenschaftlicher Verein der Rheinpfalz ("Pollichia," Natural Science Society of the Rhenish Palatinate).
Alterthums Verein (Antiquarian Society).

Düsseldorf—Verein der Aerzte (Medical Society).
Niederrheinischer Verein für Öffentliche Gesundheitspflege (Public Health Society).
Geschichts-Verein (Historical Society).

Eisleben—Verein für Geschichte und Alterthümer der Grafschaft Mansfeld (Mansfeld Historical and Antiquarian Society).

Elberfeld (Prussia)—Bergischer Geschichts Verein (Berg Historical Society).
Naturwissenschaftlicher Verein von Elberfeld und Barmen (Natural Science Society of Elberfeld and Barmen).

Eldena [bei Greifswald] (Prussia)—Gartenbau Verein für Neuvorpommern und Rügen (Horticultural Society of New Pommerania and Rügen).

Emden (Prussia)—Gesellschaft für Bildende Künste und Vaterländische Alterthümer (Society for Plastic Arts and National Antiquities).
Naturforschende Gesellschaft (Naturalists' Society).

Erfurt (Prussia)—Akademie Gemeinnütziger Wissenschaften (Academy of Useful Science).
Allgemeiner Aerztlicher Verein (Medical Society).
Gartenbau Verein (Horticultural Society).
Gewerbe Verein (Polytechnical Society).
Verein für Geschichte und Alterthumskuude (Historical and Archæological Society).
Naturwissenschaftlicher Verein für Thuringen (Thuringian Natural History Society).

Erlangen (Bavaria)—Physikalisch-Medicinische Gesellschaft (Physico-Medical Society).

Essen—Feldmesser-Verein (Surveyors' Society).
Historischer Verein (Historical Society).

Frankfurt-am-Main (Prussia)—Deutsche Malakozoologische Gesellschaft (German Malacological Society).
Aerztlicher Verein (Medical Society).
Chemische Gesellschaft (Chemical Society).
Gartenbau Gesellschaft "Flora" (Horticultural Society "Flora").
Gelehrten-Verein für Deutsche Sprache (German Language Society).
Hochstift für Wissenschaften, Künste, and allgemeine Bildung in Goethes Vaterhause (Society for Science, Art, &c., in Goethe's House).
Physikalischer und Aerztlicher Verein (Physical and Medical Association).
Juristische Gesellschaft (Law Society).
Senckenbergische Naturforschende Gesellschaft (Senckenberg Naturalists' Society).
Statisticher Verein (Statistical Society).
Taunus Club (Taunus Society).
Verein für Geschichte und Alterthumskunde (Historical and Archæological Society).
Verein für Geographie und Statistik (Geographical and Statistical Society).
Zoologische Gesellschaft [Neue] (Zoological Society).

Frankfurt-an-der-Oder (Prussia)—Historisch-Statistischer Verein (Historical Statistical Society).
Wissenschaftlicher Verein (Scientific Society).

Freiberg (Saxony)—Freiberger Alterthums Verein (Archæological Society).

Freiburg (Baden)—Geschichts-Alterthums und Volkskunde Verein (Society for History, Antiquity, and Ethnology).

Naturforschende Gesellschaft (Naturalists' Society).

Botanischer Verein (Botanic Society).

Kirchlich-Historischer Verein (Church History Society).

Redaktion des Archivs für Anthropologie (Archives of Anthropology).

Friedrichshafen—Verein für Geschichte des Boden Sees (Society for History of Lake of Constance).

Fulda (Prussia)—Verein für Naturkunde (Natural History Society).

Fürth (Bavaria)—Gewerbe Verein (Polytechnical Society).

Gera (Reuss)—Gesellschaft der Freunde der Naturwissenschaften (Society of Friends of Natural Science).

Giessen (Hesse)—Oberhessische Gesellschaft für Natur und Heilkunde (Natural and Medical Science Society).

Oberhessischer Verein für Localgeschichte (Hessian Historical Society).

Aerztlicher Verein der Provinz Ober-Hessen (Hessian Medical Society).

Gorlitz (Prussia)—Gartenbau Verein für die Ober-Lausitz (Horticultural Society of Upper Lusatia).

Gewerbe Verein (Polytechnical Society).

Naturforschende Gesellschaft (Naturalists' Society).

Oberlausitzer Gesellschaft der Wissenschaften (Scientific Society of Upper Lusatia).

Göttingen (Prussia)—Anthropologischer Verein (Anthropological Society).

Magnetischer Verein (Magnetic Society).

Mathematischer Verein (Mathematical Society).

Philologischer Verein (Philological Society).

Gotha (Saxe-Coburg)—Thüringer Gartenbau Verein (Horticultural Society).

Greifenberg i. Pom (Prussia)—Pommesche Oekonomische Gesellschaft (Agricultural Society of Pommerania).

Greifswald (Prussia)—Baltischer Central Verein zur Beförderung der Landwirthschaft (Baltic Central Association for the Advancement of Agriculture.

Geographische Gesellschaft (Geographical Society).

Gesellschaft fur Pommersche Geschichte und Alterthumskunde (Pomeranian Historical and Archæological Society).

Naturwissenschaftlicher Verein (Natural History Society).

Guben (Prussia)—Lausitzer Gewerbe Verein (Lusatian Polytechnical Society).

Gügglingen—Alterthums-Verein (Hessian Antiquarian Society).

Güstrow (Mecklenburg)—Verein der Freunde der Naturgeschichte in Mecklenburg (Society of Friends for Research in Natural History).

Gutersloh—Historischer Verein (Historical Society).

Halberstadt (Prussia)—Deutsche Ornithologische Gesellschaft (German Ornithological Society).

Wissenschaftliche Gesellschaft (Scientific Society).

Medicinische Gesellschaft (Medical Society).

Hall (Würtemberg)—Historischer Verein für das Würtembergische Franken (Historical Society).

Halle (Prussia)—Deutscher Apotheker Verein (German Apothecaries' Association).

Deutscher Morgenländische Gesellschaft (Asiatic Society).

K. Leopoldina Carolina Akademie der Deutschen Naturforscher (Imperial Leopold-Carolus Academy of German Naturalists).
Landwirthschaftlicher Central Verein für die Provinz Sachsen (Central Agricultural Association for the Province of Saxony).
Naturforschende Gesellschaft (Naturalists' Society).
Naturwissenschaftlicher Verein für Sachsen und Thüringen (Scientific Association of Saxony and Thuringia).
Ornitholigischer Central Verein für Sachsen und Thüringen (Central Ornithological Association of Saxony and Thuringia).
Thüringisch-Sächsischer Geschichts und Alterthums Verein (Thuringo-Saxonian Historical and Archæological Society).
Verein für Erdkunde (Geographical Society).
Verein für Reformations Geschichte (Society for History of Reformation).

Hamburg (Germany)—Anthropologische Gesellschaft (Anthropological Society).
Geographische Gesellschaft (Geographical Society).
Johanneum.
Naturwissenschaftlicher Verein (Natural Science Society).
Verein für Hamburgische Geschichte (Hamburg Historical Society).
Verein für Naturwissenschaftliche Unterhaltung (Society for Scientific Discourse).
Zoologische Gesellschaft (Zoological Society).

Hannover (Prussia)—Architecten und Ingenieur Verein (Architects' and Engineers' Association).
Geographische Gesellschaft (Geographical Society).
Gesammt Verein der Deutschen Geschichts und Alterthums Vereine (Central Union of the German Historical and Archæological Societies).
Gesellschaft für Mikroskopie (Microscopical Society).
Gewerbe Verein für die Provinz Hannover (Polytechnic Society of the Province of Hannover).
Historischer Verein für Niedersachsen (Historical Society).
Naturhistorische Gesellschaft (Natural History Society).

Heidelberg (Baden)—Landwirthschaftlicher Bezirks Verein (Agricultural Society.)
Naturhistorisch-Medicinischer Verein (Society for Natural and Medical Science).

Hohenheim (Würtemberg)—K. Würtembergische Land und Forstwirthschaftliche Akadamie (Royal Academy of Agriculture and Forest Culture).

Hohenleuben (Saxony)—Voigtländischer Alterthumsforschender Verein (Voigtland Archæological Society).

Insterburg (Prussia)—Landwirthschaftlicher Central Verein für Lithauen und Masuren (Central Agricultural Society of Lithuania and Masuren).

Jena (Prussia)—Allegemeiner Deutscher Apotheker Verein (Universal German Apothecaries' Association).
Landwirthschaftliches Institute (Agricultural Institute).
Medicinisch-Naturwissenschaftliche Gesellschaft (Society for Medical and Natural Science).
Pharmaceutisch-Naturwissenschaftliche Verein (Society for Pharmacy and Natural Science).
Verein für Thüringische Geschichte und Alterthumskunde (Society for Thuringian History and Archæology).

Karlsruhe (Baden)—Gewerbe Verein (Polytechnical Society).
Naturwissenschaftlicher Verein (Natural Science Society).

Kassel (Prussia)—Verein für Hessische Geschichte und Landeskunde (Society for Hessian History and Geography).
Verein für Naturkunde (Natural History Society).
Geometer Verein (Geometricians Society).

Kiel (Prussia)—Naturwissenschaftlicher Verein für Schleswig-Holstein (Sleswick-Holstein Society for Natural Science).

Klausthal (Prussia)—Naturwissenschaftlicher Verein "Maja" ("Maja" Society for Natural Science).

Koblenz (Prussia)—Naturhistorischer Verein (Natural History Society).
Aerztlicher Verein (Medical Society).

Köln (Prussia)—Historischer Verein für den Niederrein (Historical Society of the Nether-Rhine).
Aerztlicher Verein (Medical Society).
Rheinische Medico-Chirurgischer Verein (Rhenish Medico-Chirurgical Society).
Aerztlicher Verein für Regierungsbezirk Köln (Cologne District Medical Society).

Koburg (Saxe-Koburg-Gotha)—Verein für Naturkunde im Herzogthum Sachsen (Society for Natural Science in the Duchy of Saxe-Coburg).

Königsberg (Prussia)—Ostpreussischer Landwirthshaftlicher Central Verein (Central Agricultural Society of East Prussia).
Ostpreussische Physikalisch Oekonomische Gesellschaft (East Prussian Physical-Economical Society).

Landshut (Bavaria)—Botanischer Verein (Botanical Society).

Lauingen (Bavaria)—Verein für Naturwissenschaftliche Zwecke (Society to Promote Natural Science).

Leipzig (Saxony)—Astronomische Gesellschaft (Astronomical Society).
Central Verein Deutscher Zahnärzte (Central Association of German Dentists).
Deutsche Morgenländische Gesellschaft (German Oriental Society).
Fürstlich Jablonowski'sche Gesellschaft der Wissenschaften (Prince of Jablonowski Scientific Society).
Geologische Landesuntersuchung des Königreichs Sachsen (Geological Exploration of the Kingdom of Saxony).
Königlich Sächsische Gesellschaft der Wissenschaften (Royal Saxon Society of Science).
Landwirthschaftlicher Kreis Verein (Agricultural Districts Association).
Landwirthshaftliches Institut der Universität (Agricultural Institute of the University).
Leipziger Zweigverein der Gesellschaft für Verbreitung von Volksbildung (Leipsic branch of the Society for the Diffusion of Knowledge among the People).
Medicinische Gesellschaft (Medical Society).
Meteorologisches Institut (Meteorological Institute).
Mineralogisches Museum (Mineralogical Museum).
Naturforschende Gesellschaft (Naturalists' Society).
Physiologische Anstalt (Physiological Institute).
Polytechnische Gesellschaft (Polytechnical Society).
Verein für Anthropologie (Anthropological Society).
Verein für Erdkunde (Geographical Society).
Verein für die Geschichte Leipzig's (Society for the History of Leipzig).

Leisnig (Saxony)—Geschichts und Alterthums Verein (Historical and Archæological Society).

Liegnitz (Prussia)—Landwirthschaftlicher Verein (Agricultural Society).

Lübeck (Germany)—Gesellschaft zur Beförderung gemeinütziger Thätigkeit (Society for the Advancement of Useful Industry).

Verein für Lübeckische Geschichte (Society for Lubeck History).

Lüneburg (Prussia)—Alterthums Verein (Archæological Society).

Naturwissenschaftlicher Verein (Natural Science Society).

Magdeburg (Prussia)—Naturwissenschaftlicher Verein (Natural Science Society).

Mainz (Hesse)—Verein für Erforschung der Rheinischen Geschichte und Alterthümer (Society for Research in Rhenish History and Archæology).

Marburg (Prussia)—Gesellschaft zur Beförderung der gesammten Naturwissenschaften (Society for the Advancement of Natural Science).

Meiningen (Saxe-Meiningen)—Hennebergischer Alterthumsforschender Verein (Henneberg Archæological Society).

Verein für Pomologie und Gartenbau (Pomological and Horticultural Association).

Meissen (Saxony)—Gesellschaft "Isis" ("Isis" Society).

Metz (Lorraine)—Académie de Metz; Société d'Histoire Naturelle du Département de la Moselle; Société des Sciences Médicales; Verein für Erdkunde (Geographical Society).

Mühlhausen (Alsace)—Société Industrielle.

München (Bavaria)—Baierische Gartenbau-Gesellschaft (Bavarian Horticulturai Society).

Deutsche Gesellschaft für Anthropologie, Ethnologie und Urgeschichte (German Society for Anthropology and Primitive History).

Geographische Gesellschaft (Geographical Society).

Historischer Verein für Oberbaiern (Historical Society of Upper Bavaria).

K. Baierische Akademie der Wissenschaften (Royal Bavarian Academy of Science).

Landwirthschaftlicher Verein (Agricultural Society)

Polytechnischer Verein (Polytechnical Society).

Münster (Prussia)—Landwirthschaftlicher Provinzial Verein für Westphalen und Lippe (Provincial Agricultural Society for Westphalia and Lippe).

Provinzial Verein für Wissenschaft und Kunst (Provincial Society for Science and Art).

Verein für Geschichte und Alterthümer Westphalens (Society for Westphalian History and Antiquities).

Neisse (Prussia)—Philomathische Gesellschaft (Philomathic Society).

Neubrandenburg (Mecklenburg)—Verein der Freunde der Naturgeschichte in Mecklenburg (Society of Friends in Mecklenburg for Research in Natural Science).

Neustadt (Prussia)—"Polichia," Naturwissenschaftlicher Verein der Rheinpfalz ("Polichia," Society of Natural Science).

Nordhausen (Prussia)—Wissenschaftlicher Verein (Scientific Society).

Nürnberg (Bavaria)—Baierisches Gewerbe Museum (Bavarian Polytechnical Society).

Gewerbe Verein (Polytechnical Society).

Historischer Verein (Historical Society).

Naturhistorische Gesellschaft (Natural History Society).

Offenbach (Baden)—Verein für Naturkunde (Natural Science Society).

Osnabruck (Prussia)—Historischer Verein (Historical Society).
Naturwissenschaftlicher Verein (Natural Science Society).

Passau (Bavaria)—Naturhistorischer Verein (Natural History Society).
Praktische Gartenbau Gesellschaft im Baiern (Practical Horticultural Society in Bavaria).

Plauen (Saxony)—Verein für Natur und Heilkunde (Society for Natural and Medical Science).

Posen (Prussia)—Landwirthschaftlicher Provinzial Verein (Agricultural Districts Society).
Naturwissenschaftlicher Verein (Natural Science Society).

Potsdam (Prussia)—Astro-Physikalisches Institut (Astro Physical Institute).
Landwirthschaftlicher Provinzial Verein für die Mark Brandenburg und die Nieder Lausitz (Agricultural Society for the Province of Brandenburg and Nether Lusatia).

Proskau (Prussia)—Landwirthschaftliche Akademie (Agricultural Academy).

Ravensburg (Würtemberg)—Deutscher Pomologen Verein (German Pomological Society).

Regensberg (Bavaria)—Historischer Verein für die Oberpfalz (Historical Society of the Upper Palatinate).
K. Baierischer Botanische Gesellschaft (Royal Bavarian Botanical Society).
K. Baierischer Apotheker Verein (Royal Bavarian Apothecary Society).
Zoologisch Mineralogischer Verein (Zoological and Mineralogical Society).

Reichenbach (Saxony)—Voigtländischer Verein für Naturkunde (Voigtland Society for Natural Science).

Reutlingen (Würtemberg)—Pomologisches Institut (Pomological Institute).

Scwerin (Mecklenburg)—Verein für Mecklenbürgische geschichte und Alterthumskunde (Society for the History and Archæology of Mecklenberg).

Sigmaringen (Prussia)—Verein zur Beförderung der Landwirthschaft und der Gewerbe für die Hohenzollerschen Lande (Society for the Promotion of Agriculture and the Trades of Hohenzollern).

Sondershausen (Schwarzburg)—Verein zur Beförderung der Landwirthschaft (Society for the Promotion of Agriculture).

Sondershausen (Thuringia)—Botanischer Verein für das Nördliche Thüringen (Botanical Society of Northern Thuringia).

Speir (Bavaria)—Historischer Verein fur Rheinbaiern (Historical Society of Rhenish-Bavaria).

Stade (Prussia)—Verein für Geschichte und Alterthümer (Historical and Archæological Society).

Stettin (Prussia)—Entomologischer Verein (Entomological Society).
Gesellschaft für Pommersche Geschichte und Alterthumskunde (Society for Pommeranian History and Archæology).

Strassburg (Alsace)—Muséum d'Histoire Naturelle; Société pour la Conservation des Monuments historiques d'Alsace; Société des Sciences, Agriculture et Arts de la Basse Alsace; Société des Sciences Naturelles de Strassbourg.

Strelitz (Mecklenburg)—Verein der Freunde der Naturgeschichte (Society of Friends for Research in Natural History).

Stuttgart (Würtemberg)—Anthropologische Gesellschaft (Anthropological Society).
Gartenbau Gesellschaft "Flora" ("Flora" Horticultural Society).
Gewerbe Verein (Polytechnical Society).

Stuttgarter Aerztlicher Verein (Medical Society).
Verein für Vaterländische Naturkunde in Würtemberg (Society for the Natural History of Würtemberg).
Würtembergischer Alterthums Verein (Archæological Society of Würtemberg).

Thorn (Prussia)—Copernicus Verein für Wissenschaft und Kunst (Copernicus Society for Science and Art).

Trier (Prussia)—Gesellschaft für Nützliche Forschungen (Society for Useful Research).

Tübingen (Würtemberg)—Landwirthschaftlicher Verein (Agricultural Society).

Ulm (Würtemberg)—Naturwissenschaftliche Gesellschaft (Natural Science Society).
Verein für Kunst und Alterthum in Oberschwaben (Society for Art and Archæology in Upper Swabia).

Weilburg (Prussia)—Verein Nassauischer Aertze (Nassau Physicians' Society).

Weimar (Saxe-Weimar)—Geographisches Institut (Geographical Institute).
Verein für Blumistik und Gartenbau (Society for Horticulture and Flora).

Weinsberg (Würtemberg)—Historischer Verein für das Würtembergische Franken (Historical Society of Würtemberg-Franconia).

Wernigeroda (Prussia)—Harz-Verein für Geschichte und Alterthumskunde (Harz Society for History and Archæology).

Wiesbaden (Prussia)—Gewerbe Verein für Nassau (Polytechnical Society for Nassau).
Verein für Nassauische Geschichte und Alterthumskunde (Society for the History and Archæology of Nassau).
Verein für Naturkunde (Natural Science Society).
Verein Nassauischer Land und Forstwirthe (Society of Agriculturists and Foresters of Nassau).

Würzburg (Bavaria)—Historischer Verein von Unterfranken und Aschaffenburg (Historical Society of Lower Franconia and Aschaffenburg).
Physikalisch-Medicinische Gesellschaft (Physico-Medical Society).
Polytechnischer Central Verein (Central Polytechnical Society).

Zittau (Saxony)—Gewerbe Verein (Polytechnical Society).

Zweibrücken (Bavaria)—Naturhistorischer Verein (Natural History Society).

Zwickau (Saxony)—Verein für Naturkunde (Natural Science Society).

GREECE.

Athens—Soc. Archéoligique d'Athènes; Soc. Medicale.

ICELAND.

Reykjavik—Fornleifarfjelag (Icelandic Archæological Society).
Hid Islenzka Bókmentafjélag (Icelandic Literary Society).

ITALY.

Arezzo (Tuscany)—Accademia Valdarnese del Poggio (Valdarnese Academy).

Bologna—Archivos per la Zoologia, l'Anatomia e la Fisiologia (Archives of Zoology, Anatomy, and Physiology).
Società Agraria della Provincia di Bologna (Agrarian Society of the Province of Bologna).
Società Medico-Chirurgica (Medico-Chirurgical Society).

Firenze (Florence)—Società Entomologica Italiana (Italian Entomological Society).

Società Italiana di Antropologia, Etnologia, e Psicologia comparata (Italian Society of Anthropology, Ethnology, and Comparative Psychiology).

Genova (Genoa)—Accademia della Scienza, Lettere ed Arti (Academy of Science, Letters, and Art).

Accademia Medico-Chirurgica (Medico-Chirurgical Academy).

Società Ligure di Storia Patria (Ligurian Society of Native History).

Jesi—Comizio Agrario (Agricultural Society).

Lucca—Reale Accademia Lucchese di Scienze Lettere ed Arti (Lucca Academy of Science, Letters, and Art).

Mantova (Mantua)—R. Accademia Virgiliana (Royal Virgilian Academy).

Messina—Reale Accademia Carolina (Royal Carolina Academy).

Milano—Accademia Fisic-Medico-Statistica di Milano (Physico-Medico-Statistical Academy of Milan).

Accademia Scientifico Litteraria (Scientific Literary Academy).

R. Instituto Lombardo di Scienze e Lettere (Royal Institute of Science and Letters of Lombardy).

Società Agraria di Lombardia (Agrarian Society of Lombardy).

Società General degli Agricolturi Italiani (Agricultural Society).

Società d'Incoraggiamento di Arti e Mestieri (Society for the Encouragement of Arts and the Trades).

Società Italiana d'Igiena [Via Santi Andrea 18] (Italian Society for Hygiene).

Società Italiana di Scienze Naturali (Italian Society for Natural Science).

Società Storica Lombardia (Lombardian Historical Society).

Modena—R. Accademia di Scienze, Lettere, ed Arti (Royal Academy of Science, Letters, and Art).

Società Medico-Chirurgica (Medico-Chirurgical Society).

Società Meteorológica Italiana (Italian Meteorological Society).

Società dei Naturalisti in Modena (Society of Naturalists).

Napoli (Naples)—Accademia degli Aspiranti Naturalisti (Academy for Naturalists).

Accademia Pontaniana (Pontaniana Academy).

R. Accademia di Archeologia Lettere e belle Arti (Royal Academy of Archæology, Letters, and Arts).

R. Accademia Ercolanese di Archeologia (Royal Ercolanese Academy of Archæology).

R. Accademia Medico-Chirurgica (Royal Medico-Chirurgical Academy).

R. Accademia delle Scienze e Belle Lettere (Royal Academy of Science and Belles Lettres).

R. Accademia di Scienzi Fisiche e Matematici (Royal Academy of Physical and Mathematical Science).

R. Instituto d'Incoraggiamento alle Scienze Naturali Economiche e Tecnologiche (Royal Institute for the Promotion of Natural, Economical, and Technical Science).

Società Reale di Napoli (Royal Society of Naples).

Padova (Padua)—R. Accademia di Scienzi Lettere ed Arti di Padova (Royal Academy of Science, Letters, and Arts).

Società d'Incoraggiamento in Padova (Society of Encouragement in Padua).

Società Veneto-Trentina di Scienze Naturali (Veneto-Trentina Society of Natural Science).

Palermo—Accademia Palermitana di Scienze e Lettere (Palermian Academy of Science and Letters).

Società d'Acclimazione e di Agricoltura in Sicilia (Society of Acclimation and Agriculture in Sicily).
Società di Scienze Naturali ed Economiche (Society for Natural and Economical Science).
Stazione Chimico-Agraria Sperimentale di Palermo (Chemico-Agricultural Experimental Station).
Il Collegio degli Ingegneri ed Architetti in Palermo (Society of Engineers and Architects).

Pisa—Società Malacologica Italiana (Italian Malacological Society).
Società Toscana di Scienze Naturali (Tuscan Society for Natural Science).

Pistoja—R. Accademia di Scienze Lettere ed Arti (Royal Academy of Science, Letters, and Arts).

Ravenna—Società Ravennata (Ravenna Society).

Rome—Accademia Romana di Archeologia (Roman Academy of Archæology).
British and American Archæological Society.
Istituto de Correspondenza Archeologica (Institute of Archæological Correspondence).
Istituto Scientifico della R. Università (Scientific Institute of the Royal University).
R. Accademia dei Lincei (Royal Academy of Lincei).
R. Istituto Fisio-Patologico di Roma (Roman Institute of Physio-Pathology).
R. Comitato Geologico d'Italia (Royal Geological Committee of Italy).
Società degli Spettroscopisti Italiani (Society of Italian Spectroscopists).
Società Geografica Italiani (Italian Geographical Society).
Società Italiana delle Scienze (Italian Scientific Society).

Siena—R. Accademia dei Fisiocritici (Royal Academy of Critical Physiology).

Torino (Turin)—Accademia Reale di Agricoltura (Royal Academy of Agriculture).
Accademia Reale Medico-Chirurgica (Royal Medico-Chirurgical Academy).
Accademia Reale delle Scienze (Royal Academy of Science).
Circolo Geografico Italiano (Italian Geographical Society).
Società degli Ingegneri e degli Industriale (Society of Engineers and Manufacturers).

Udine—Associazione Agraria Friulana (Friulan Agrarian Association).
R. Istituto Tecnico (Royal Technical Institute).

Venezia (Venice)—Ateneo Veneto (Venetian Athenæum).
R. Istituto Veneto di Scienze, Lettere ed Arti (Venetian Institute of Science, Letters, and Arts).
Società Veneto-Trentina di Scienze Naturali (Trentine Venetian Association for Natural Science).

Verona—Accademia d'Agricoltura Commercio ed Arti di Verona (Academy of Agriculture, Commerce, and Arts of Verona).

Vicenza—Accademia Olimpica di Agricoltura, Scienze, Lettere ed Arti (Olympic Academy of Agriculture, Science, Letters, and Arts).

NETHERLANDS.

Amsterdam—Aardrijskundig Genootschap (Agricultural Society).
Genootschap ter Bevordering der Natuur-Genees-en-Heelkunde (Society for Promoting Natural, Medical, and Chirurgical Science).
K. Akademie van Wetenschappen (Royal Academy of Science).
K. Genootschap van Natuurkundige Wetenschappen (Royal Society of Physical Science).

K. Zoologisch Genootschap "Natura Artis Magistra" (Royal Zoological Society).

Landkundige Genootschap (Geographical Society).

Maatschappij tot Bevordering der Bowkunst (Society for the Encouragement of Architecture).

Nederlandsche Maatschappij ter Bevordering der Pharmacie (Association for the Promotion of Pharmacy in the Netherlands).

Vereeniging voor Volksvlijt (Association for Popular Industry).

Vereeniging voor Statistiek in Nederland (Statistical Association of the Netherlands).

Wiskundig Genootschap: "Onvermoide Arbeid Komt alles te boven" (Scientific Society: "Untiring Industry overcomes all").

Arnhem (Gelderland)—Natuurkundig Genootschap: "Tot Nut en Vernoegen" (Natural History Society: "Utility and Amusement").

s'Gravenhage [The Hague] (Zuid Holland)—K. Instituut van Ingenieurs (Royal Institute of Engineers).

K. Instituut voor de Taal-Land-en Volkenkunde van Nederlandsch Indië (Royal Institute for Philology, Geography, and Ethnography of Dutch India).

K. Zoologisch Botanisch Genootschap te's Gravenhage (Royal Zoological-Botanical Society).

Nederlandsche Entomologische Vereeniging (Netherlands Entomological Society).

Groningen—Genootschap pro excolendo Jure Patrio (Society for the Cultivation of National Jurisprudence).

Naturkundige Genootschap (Natural History Society).

Harlem (Noord-Holland)—Bataviaasch Genootschap (Batavian Society).

Bureau Scientifique Central Néerlandais (Central Scientific Bureau).

Hollandsche Maatschappij van Wetenschappen (Dutch Scientific Society).

s'Hertogenbosch (Noord-Brabant)—Provinciaal Genootschap van Kunsten en Wetenschappen in Noord-Brabant (Provincial Society of Arts and Sciences in North Brabant).

Hoorn (Noord-Holland)—Societas Medico-Physica Hornana (Medico-Physical Society of Hoorn).

Cercle Agricole et Horticole (Agricultural and Horticultural Society).

Luxembourg—Institut Luxembourgeois—Section Historique, Section des Sciences Naturelles et Mathématiques; Soc. de Botanique du Grand Duché de Luxembourg.

Leeuwarden (Friesland)—Friessch Genootschap voor Geschied-Oudheid-en Taalkunde (Friesland Historical, Antiquarian, and Philological Society).

Leiden (Zuid-Holland)—Academia Lugduno-Batava Maatschappij van Nederlandsche Letter-kunde (Society for the Literature of the Netherlands).

Nederlandsche Botanische Vereeniging (Netherlands Botanical Association).

Nederlandsche Dierkundige Vereeniging (Netherlands Zoological Society).

Nederlandsche Entomologische Vereeniging (Netherlands Entomological Society).

Rijks Ethnographisch Museum (Royal Ethnographical Museum).

Maestricht—Vereeniging ter Bevordering van Tuin-en Landbouw (Association for the Promotion of Horticulture and Agriculture).

Middleburg (Zeeland)—Zeeuwsch Genootschap van Wetenschappen (Zealand Scientific Society).

Roi-le-Duc—Société des Arts et Sciences dans la Brabante Septentrionale.

Rotterdam (Zuid-Holland)—Bataafsch Genootschap van Proefondervindelijke Wijsbegeerte (Batavian Society of Experimental Philosophy).

Schiedam (Zuid-Holland)—Natuurkundige Vereeniging "Martinet" ("Martinet" Society of Natural Science).

Utrecht (Utrecht)—Academia Rheno-Trajectina (Rhenish Trajectine Academy).

Historisch Genootschap (Historical Society).

K. Nederlandsch Meteorologisch Instituut (Royal Dutch Meteorological Institute).

Provinciaal Utrechtsch Genootschap van Kunsten en Wetenschappen (Provincial Society of Arts and Sciences).

Zwolle (Overijssel)—Overijsselsche Vereeniging tot Ontwikkeling van Provinciaale Welvaart (Overyssel Society for Promotion of Provincial Welfare).

Vereeniging tot Beoefening van Overijsselsche Regt en Geschiedenes (Society for the Cultivation of Overyssel Jurisprudence and History).

NORWAY.

Bergen—Selskabet for Norges Fiskeries (Society for the Promotion of Norwegian Fisheries).

Kristiania (Christiana)—Forening til Norske Fortismindesmoerkers Bevaring (Society for the Preservation of Norwegian Antiquities).

Medicinsiske Selskab (Medical Society).

Militaere Samfund (Military Society).

Norges Geografiskesche Opmaaling (Geographical Institute of Norway).

Norske Historiske Forening (Norwegian Historical Society).

Norske Meteorologiske Institut (Norwegian Meteorological Institute).

Norske Oldskrift Selskab (Norwegian Antiquarian Society).

Norske Sagförer Forening (Norwegian Lawyers' Society).

Physiografiske Forening (Physiographical Society.)

Polytekniske Forening (Polytechnic Society).

Theologiske Forening (Theological Society).

Videnskabs Selskabet i Kristiania (Scientific Society).

Throndhjem—K. Norske Videnskabernes Selskab (Royal Norwegian Scientific Society).

PORTUGAL.

Lisböa (Lisbon)—Academia Real das Sciencias (Royal Academy of Science).

Associaçâo dos Engenheiros Civis Portuguezes (Association of Portuguese Civil Engineers).

Commissâo Central Permanente de Geographia (Central Permanent Commission of Geography).

Commissâo Geologica de Portugal (Geological Commission of Portugal).

Instituto Real de Agricultura (Royal Institute of Agriculture).

Real Associaçâo Central de Agricultura Portugeza (Royal Central Association of Portuguese Agriculture).

Sociedade de Geografia (Geographical Society).

Sociedade dos Architectos e Archeologos (Society of Architects and Archæologists).

Sociedade Promotora de Industrio falevil (Society for the Promotion of Manufacturing Industry).

Sociedade Pharmaceutica Lusitana (Lusitanian Pharmaceutical Society).

Sociedade des Sciencias Medicas de Lisböa (Medical Scientific Society).

Oporto—Academia Polytechnica (Polytechnic Academy).

Centro Pharmaceutico Portugueze (Central Pharmaceutical Society).

Escola Medico-Cirurgica (Medico-Chirurgical School).

ROUMANIA.

Bukarest—Soc. Roumaine d'Agriculture.

RUSSIA.

Derpt (Dorpat)—Derptskoe Obschestvo Estestvo Ispitatelij (Society of Naturalists).

Farmatsevtitcheskoe Obschestvo (Pharmaceutical Society).

K. Livländische Oekonomische Gesellschaft (Imperial Livonian Economical Society).

Outchenoe Estonskoe Obschestvo (Scientific Esthonian Society).

Statistiches Bureau der Universität (Statistical Department of the University).

Helsingfors—Finska Litteratur Sällskapet (Finnish Literary Society).

Finskoe Outchenoe Obschestvo (Finnish Scientific Society).

Obschestvo Finliandskikh Vratchey [Finske Läkare Sällskapet] (Society of Physicians of Finland).

Sällskapet pro Fauna et Flora Fennica (Society for the Fauna and Flora of Finland).

Irkoutsk—Geografitcheskoe Obschestvo (Geographical Society).

Kazan—Imp. Kazanskoe Ekonomitcheskoe Obschestvo (Imperial Economical Society).

Obschestvo Estestvo Ispitateley pri Kazanskom Ouniversitete (Society of Naturalists at the Imperial University of Kazan).

Kharkov—Obschestvo Ispytateley prirody (Society of Naturalists at the University of Kharkov).

Kiev—Kievskoie Obschestvo Estestvo Ispytaleley (Society of Naturalists).

Kronshtadt—Obschestvo Morskikh Vratchey (Society of Naval Physicians).

Lebedian (Tambov)—Lebedianskoe Obschestvo Selskago Khoziaystva (Rural Economy Society of Lebedian).

Mitava (Mitav)—Kurliandskoe Obschestvo Literatoori e Iskoosto (Courland Society of Literature and Art).

Moskva (Moscow)—Fizico-Meditsinskoe Obschestvo (Physico-Medical Society).

Imp. Moskovskoy Obschestvo Estestvo Ispytateley (Imperial Society of Naturalists).

Imp. Moskovskoy Obschestvo Selskago Khoziaystva (Imperial Society of Rural Economy).

Imp. Obschestvo Istorii i Drevnostey Rossiyskikh pri Moskovskom Ouniversitete (Imperial Russian Society of History and Antiquities, at the University of Moscow).

Imp. Obschestvo Lubiteley Estestvasnanii Antropologii e Ethnografii (Imperial Society of Friends for Research in Natural Science, Anthropology, and Ethnography).

Imp. Zemledeltcheskoe Obschestvo v. Moskvey (Imperial Society of Agriculturists).

Uriditscheskoe Obschestvo (Juridical Society).

Moskovskoy Arkheologitcheskoe Obschestvo (Archæological Society).

Moskovskoy Matematitcheskoe Obschestvo (Mathematical Society).
Obschestvo Akklimatizatsii Rastenii e Jevotnych (Society for Acclimatization of Plants and Animals).
Obschestvo Lubiteley Rossiyskoy Slovesnosti (Society of Amateurs in Russian Literature).

Narva—Narvskoe Arkheologitcheskoe Obschestvo (Archæological Society).

Nejin—Nejinskago Istoriko-Philologitcheskago Institouta [formerly Litsej Grafee Bezborodko] (Historico-Philological Institute).

Odessa—Imp. Obschestvo Selskago Khoziaystva Ujnoy Rossii (Imperial Society of Agronomy of Southern Russia).
Imp. Ouniversitet (Imperial University).
Novo-rossiiskoe Obschestvo Estestvo Ispytateley (Society of Naturalists of New Russia).
Odesskoe Obschestvo Istorii i Drevnostey (Historical and Antiquarian Society of Odessa).

Omsk—Obschestvo Issliedvoateley Zapadnay Sibiri (Society of Explorers of Western Siberia.

Revel (Reval)—Estliandskoe Literatournoe Obschestvo (Estnonian Literary Society).

Riga—Lettische Literarische Gesellschaft (Lettic Literary Society).
Obschestvo Estestvo Ispytately (Society of Naturalists).
Obschestvo Istorii e Drevnostey Rousskikh Bribaltiskikh Provinciy (Historical and Antiquarian Society of the Russian Baltic Provinces).
Obschestvo Praktitcheskikh Vratchey (Society of Pratical Physicians).
Teknitcheskoe Obschestvo (Technical Society).

Sanct Peterbourg (Saint Petersburg)—Filologitchskoe Obschestvo pri St Peterburgskom Ouniversitete (Philological Society at the Imperial University of St Petersburg).
Imp. Akademia Naouk (Imperial Academy of Science).
Imp. Farmatsevitcheskoe Obschestvo (Imperial Pharmaceutical Society).
Imp. Istoriko-Filologitcheskii Institout (Imperial Historico-Philological Society).
Imp. Medico-Khirourgitcheshaia Akademia (Imperial Medico-Chirurgical Academy).
Imp. Michaelovskaia Artilleriyskaia Akademia (Imperial Michael Artillery Academy).
Imp. Nicolaevskaia Ingenernaia Akademia (Imperial Nicolas Engineering Academy).
Imp. Nicolaevskaia Voennaia Akademia (Imperial Nicolas Military Academy).
Imp. Rousskoe Geografitcheskoe Obschestvo (Imperial Russian Geographical Society).
Imp. Rousskoe Mineralogitcheskoe Obschestvo (Imperial Russian Mineralogical Society).
Imp. Volnoe Ekonomitcheskoe Obschestvo (Imperial Free Economical Society).
Institout Korpousa Poutey Soobschenia (Institution of Ways and Communication).
Institout Poutey Soobschenia (Institution of Ways and Communication).
Obschestvo Estestvo Ispytately pri St Peterburgskom Ouniversitete (Society of Naturalists of the St Petersburg University).
Obschestvo Morskikh Vratchey (Society of Naval Physicians).

Pedagogitcheskoe Obschestvo (Pedagogical Society).
Rousskoe Entomologitcheskoe Obschestvo (Russian Entomological Society).
Rousskoe Istoritcheskoe Obschestvo (Russian Historical Society).
Rousskoe Khimitcheskoe Obschestvo pri St Peterburgskom Ouniversitete (Russian Chemical Society of St Petersburg University).
Teknitcheskoe Obschestvo (Technical Society).

Tiflis—Kavkazskoe Geografitcheskoe Obschestvo (Caucasian Geographical Society).
Kavkazskoe Meditsinskoïe Obschestvo (Caucasian Medical Society).
Kavkazskoe Obschestvo Selskago Khoziaystva (Caucasian Society of Rural Economy).

Vilna—Imp. Vilinskoïe Meditsinkoïe Obschestvo (Imperial Vilna Medical Society).
Otdiel Imp. R. Geografitcheskoe Obschestvo (Branch of the Imperial Russian Geographical Society).

Varshava (Warsaw)—Mediko-Khirourgitcheskaia Akademia (Medico-Chirurgical Academy).

Yaroslavl—Obschestvo dlia izsliedovannii Yarosslavskoy Goubernii v Estesvenno Istoritcheskom otnoshenii (Society for Investigating the Natural History of the Province of Yaroslav).

SERVIA.

Belgrad—Drushtvo srbske Slovessnosti (Servian Literature Society).

SPAIN.

Barcelona—Instituto Agricola Catalan de San Isidro (Catalanian Agricultural Institute of San Isidro).
Real Academia de Buenas Letras de Barcelona (Royal Academy of Belles Lettres).

Cadiz—Sociedad Económica Gaditana de Amigos del Pais (Gaditana Economical Society of Friends of the Land).

Cordova—Academia Nacional de Ciencias Exactes (National Academy of Exact Sciences).

Madrid—Academia de las tres Nobles Artes de San Fernando (San Fernando Academy of the three Noble Arts).
Instituto Geografico y Estadístico (Geographical and Statistical Institute).
Junta Estadística (Statistical Society).
Real Academia de Ciencias de Madrid (Royal Academy of Science).
R. Academia de Ciencias Morales y Politicas (Royal Academy of Moral and Political Science).
Real Academia Española Arqueologica y Geografica (Royal Spanish Academy of Archæology and Geography).
R. Academia de la Historia (Royal Academy of History).
Sociedad de Antropologia de Madrid (Anthropological Society).
Sociedad Central de Arquitectos (Central Society of Architects).
Sociedad Española de Historia Natural (Spanish Society of Natural History).
Sociedad Geografica de Madrid (Geographical Society).

San Fernando—Instituto y Observatorio de Marina (Institute and Observatory of the Navy).

Valencia—Real Sociedad Económica (Royal Economical Society).

SWEDEN.

Gothenburg—K. Vetenskaps och Vitterhets Samhället (Royal Society of Science and Belles Lettres).

Lund—K. Fysiografiska Sällskapet (Royal Physiographic Society).

Stockholm—Entomologiske Forening (Entomological Society).
Farmaceutiska Institutet (Pharmaceutical Institute).
Jernkontoret (Iron Department).
K. Landtbrucks Akademien (Royal Academy of Agriculture).
K. Svenska Vetenskaps Akademien (Royal Swedish Academy of Science).
K. Vitterhets Historie och Antiquitets Akademien (Royal Academy of Belles Lettres, History, and Antiquities).
Meteorologiska Central Anstalten (Central Meteorological Institute).
Société Anthropologique (Anthropological Society).
Statistiska Central Byrån (Bureau of Statistics).
Svenska Akademien (Swedish Academy).
Svenska Läkare Sällskapet (Sweedish Society of Physicians).
Uplands Fornminnes Forening (Upland Antiquarian Society).

Upsala—K. Vetenskaps Societeten (Royal Society of Science).

SWITZERLAND.

Aarau—Aargauische Naturforschende Gesellschaft (Naturalists' Society of Aargau).

Basel—Historische und Antiquarische Gesellschaft (Historical and Antiquarian Society).
Naturforschende Gesellschaft (Naturalists' Society).

Bern—Institut Géographique International (International Geographical Institute).
Naturforschende Gesellschaft (Naturalists' Society).
Oekonomische Gesellschaft des Kanton Bern (Economical Society of the Canton of Bern).
Schweizerischer Alpen Club (Swiss Alpine Club).
Schweizerische Entomologische Gesellschaft (Swiss Entomological Society).
Schweizerische Gemeinnützige Gesellschaft (Swiss Society for Public Welfare).
Schweizerische Historische Gesellschaft (Swiss Historical Society).
Société des Sciences Naturelles.

Chur—Naturforschende Gesellschaft Graubündens (Natural Science Society of Graubünden).

Frauenfeld—Thurgauische Naturforschende Gesellschaft (Thurgau Naturalists' Society).

Fribourg—Société Helvétique des Naturalistes; Société d'Histoire du Canton du Fribourg.

Genève—Archives des Sciences Physiques et Naturelles; Association Zoologique du Léman; Institut National Genèvois; Société des Arts de Genève; Société Genevoise d'Utilité Publique; Société d'Histoire et d'Archéologie de Genève; Société de Géographie; Société de Physique et d'Histoire Naturelle; Société Medicale; Société Ornithologique Suisse; Société Suisse de Topographie.

Lausanne—Société d'Agriculture de la Suisse Romande; Société d'Histoire de la Suisse Romande; Société Vaudoise des Sciences Naturelles; Société Vaudoise des Ingenieurs et des Architectes.

Luzern—Historischer Verein der Fünf Oerter (Historical Society of the "Funf Oerter").

Neufchatel—Société des Sciences Naturelles.

Porentruy—Société Jurassienne d'Emulation.

Rheinfelden—Naturhistorische Gesellschaft (Natural History Society).

St Gall—Naturwissenschaftliche Gesellschaft (Natural Science Society).

Schaffhausen—Société des Sciences Naturelles.
Sion—Société Murithienne du Valais ; Société Valaisienne des Sciences Naturelles.
Solothurn—Naturforschende Gesellschaft (Society of Naturalists).
Zurich—Antiquarische Gesellschaft (Antiquarian Society).
Karten Verein (Chart Association).
Naturforschende Gesellschaft (Natural Science Society).
Schweizer Apotheker Verein (Swiss Apothecaries' Society).
Schweizerischen Ingenieur und Architekten Vereins (Society of Swiss Engineers and Architects).
Société de Médicine ; Société des Sciences, Physiques et Naturelles.
Verein für Landwirthschaft und Gartenbau (Agricultural and Horticultural Society).

TURKEY.

Constantinople—Anjuman i Danish (Society for the Advancement of Turkish Literature).
Hellenic Philological Society of Constantinople.
Jemiyet Ilamiyeh Osmoniyeh (Ottoman Scientific Society).
Soc. Imp. de Médecine ; Soc. Imp. Orientale de Constantinople ; Soc. de Pharmacie de Constantinople.

POLYNESIA.

SANDWICH ISLANDS.

Honolulu—Royal Hawaiian Agricultural Society.
Association Internationale pour le progrès des Sciences Sociales.
Congrès International d'Archéologie Préhistorique.
Congrès International des Sciences Géographiques.
Congrès International de Statisque

INDEX.

ABERDEEN, Medico-Chirurgical Society, 156.
—— Natural History Society, 37.
—— Philosophical Society, 37.
—— Photographical Association, 58.
Aberfeldy Literary Society, 167.
Abernethian Society, 139.
Academy of Medicine in Ireland, 159.
Actuarial Society of Edinburgh, 93.
Aeronautical Society of Great Britain, 101.
Agricultural Association of North-Eastern Ireland, 131.
—— Research Association for the North-Eastern Counties of Scotland, 125.
—— Society of Edinburgh, 125.
Alford Field Club and Natural History Society, 38.
Alfreton, Hope Valley Agricultural Society, 114.
Allendale Agricultural Society, 114.
Alloa, Society of Natural Science and Archæology, 38.
Amateur Photographic Association, 54.
Angus Agricultural Association, 126.
Anthropological Institution, 65.
Antiquaries, Society of, of London, 171.
Apothecaries' Society, 146.
Arbroath Antiquarian Society, 181.
—— Horticultural and Natural History Association, 126.
Architectural Association of Ireland, 108.
Architectural Association, London, 100.
Aristotelian Society, 169.
Armagh Natural History and Philosophical Society, 45.
Arts, Commerce, and Manufactures, Society for the Encouragement of, 6.
Ascham Society, 92.
Association for the Advancement of Medicine by Research, 139.
Association for the Improvement of Geometrical Teaching, 49.
Association of Surgeons Practising Dental Surgery, 144.
Ayrshire Agricultural Association, 127.
Ayrshire and Wigtownshire Archæological Association, 181.

BACUP Natural History Society, 70.
Bakewell Agricultural Society, 114.
Ballad Society, 161.
Balloon Society of Great Britain, 10.
Banbury Agricultural Association, 115.
Banburyshire Natural History and Field Club, 70.
Banffshire Field Club and Scientific Society, 38.
Barnsley Naturalists' Society, 10.
Barrow Naturalists' Field Club, 11.
Bath Microscopical Society, 70.
—— Pathological and Clinical Society, 146.
—— and West of England Society, and Southern Counties' Association, 114.
Bedford Agricultural Society, 115.
Bedfordshire Architectural and Archæological Society, 174.
—— Natural History Society and Field Club, 70.
Bedford Park Natural History and Gardening Society, 114.
Belfast Naturalists' Field Club, 88.
—— Natural History and Philosophical Society, 45.
Berwickshire Naturalists' Club, 38.
Beverley Field Naturalists' and Scientific Society, 71.
Birkenhead Literary and Scientific Society, 11.
Birmingham Architectural Association, 102.
—— Botanical and Horticultural Society, 115.
—— Law Students' Society, 135.
—— and Midland Association of Medical Officers of Health, 147.
—— and Midland Institute Scientific Society, 11.
—— Natural History and Microscopical Society, 12.
—— Microscopical and Naturalists' Union, 71.

Birmingham Philosophical Society, 12.
—— Queen's College Medical Society, 174.
Bishops Lydiard Agricultural Society, 115.
Blackburn Literary Club, 12.
—— Field Naturalists' Society, 71.
Blackpool Science and Art Society, 12.
Bolton Medical Society, 147.
—— Microscopical Society, 71.
—— Photographic Society, 55.
Border Union Agricultural Association, 127.
Botanical Society of Edinburgh, 85.
Bournemouth Medical Society, 147.
Bradford Medico-Chirurgical Society, 147.
—— Microscopical Society, 72.
—— Naturalists' Society, 72.
—— Practical Naturalists' Society, 72.
Braintree and Bocking Microscopical and Natural History Club, 72.
Brecknockshire Agricultural Society, 115.
Bridlington Agricultural Society, 116.
Brighton and Sussex Medico-Chirurgical Society, 147.
—— Natural History Society, 73.
Bristol Amateur Photographic Association, 56.
—— and Gloucestershire Archæological Society, 172.
—— Medico-Chirurgical Society, 148.
—— Microscopical Society, 73.
—— Museum and Library, 13.
—— Naturalists' Society, 13.
British Archæological Association, 172.
—— Association for the Advancement of Science, 5.
—— Medical Association, 138.
—— Temperance Association, 144.
—— Ornithologists' Union, 67.
Browning Society, 161.
Buchan Medical Association, 156.
Buckingham Architectural and Archæological Society, 175.
Buckinghamshire Royal and Central Agricultural Association, 116.
Burnley Literary and Scientific Club, 13.
Burton Amateur Photographic Association, 56.
Burton-on-Trent Natural History and Archæological Society, 14.
Bury Natural History Society, 73.
—— Photographic and Art Club, 56.
Bute Farmer's Society, 127.

Cambridge Antiquarian Society, 175.
—— Entomological Society, 73.
—— Medical Society, 148.
—— Natural History Society, 73.
—— Natural Science Society, 14.
Cambridge Philological Society, 166.
—— Philosophical Society, 14.
—— University Photographic Society, 56.
Cambridgeshire, and Isle of Ely Agricultural Society, 116.
Camden Society, 173.
Caradoc Field Club, 73.
Cardiff Medical Society, 148.
—— Naturalists' Society, 14.
Carlisle Microscopical Society, 73.
—— Agricultural Society, 127.
Chatham Literary and Scientific Society, 15.
Chaucer Society, 162.
Cheltenham Amateur Photographic Society, 56.
—— Natural Science Society, 15.
Chemico-Agricultural Society of Ulster, 132.
Chertsey Agricultural Association, 116.
Chester Archæological, &c., Society, 175.
—— Society of Natural Science, 74.
Chesterfield, and Derbyshire Institute of Mining, Civil, and Mechanic Engineers, 102.
Chichester and West Sussex Natural History and Microscopic Society, 74.
Chephenham Lacock Agricultural Society, 116.
Civil and Mechanical Engineers' Society, 97.
Clackmannan, and Kinross-shire Medical Association, 156.
Clarendon Historical Society, Edinburgh, 167.
Cleveland Agricultural Association, 116.
—— Institute of Engineers, 102.
—— Literary and Philosophical Society, 15.
—— Naturalists' Field Club, 15.
Clinical Society of London, 140.
Cobden Club, 91.
Colchester Medical Society, 148.
—— Natural History Society, 75.
Coleraine, and Ballymoney Farming Society, 132.
College Historical Society, University of Dublin, 167.
Cork County and City Medical Society, 160.
—— Cuvierian and Archæological Society, 45.
—— Literary, and Scientific Society, 46.
—— Literary Society, 45.
—— Royal Institute, 46.
Cornwall and Devon's Miners' Association, 103.
—— Mining Institute, 103.
—— Royal Agricultural Association, 116.

Cornwall Royal Geological Society, 61.
—— Royal Institution, 16.
—— Royal Polytechnic Society, 16.
Cotteswold Naturalists' Field Club, 16.
Croydon Microscopical, and Natural History Club, 75.
Cumberland Association for the Advancement of Literature and Science, 17.
—— and Westmoreland Antiquarian and Archæological Society, 176.
—— West, Agricultural Society, 117.

Dalkeith Agricultural Society, 127.
—— Ornithological Society, 85.
—— Scientific Association. 39.
Devon County Agricultural Society, 117.
Devonshire Association for the advancement of Science, Literature, and Art, 17.
Doncaster Agricultural Society, 117.
Dorchester Agricultural Society, 117.
Dorset Natural History and Antiquarian Field Club, 17.
—— West, Medical Association, 149.
ublin Microscopical Club, 88.
—— Scientific Social Club, 44.
—— University Philosophical Society, 44.
Dudley and Midland Geological Society, 62.
Dumbartonshire Agricultural Society, 127.
Dumfriesshire, and Galloway Science, Natural History, and Antiquarian Society, 39.
Dunblane Agriculture Society, 127.
Dundee Naturalists' Field Club, 39.
—— Naturalist Society, 39.
—— and East of Scotland Philosophical Association, 58.
—— University Club, 39.
Dunoon Agricultural Society, 128.
Durham, South, and Cleveland Medical Society, 149.

Ealing Microscopical and Natural History Society, 75.
Early English Text Society, 162.
Eastbourne Natural History Society, 17.
Ebbw Vale Institute Naturalists' Club, 75.
—— Literature and Scientific Institute, 18.
Edinburgh Architectural Association, 107.
—— Aungeroyle Society, 166.
—— Diagnostic Society, 36.
—— Dialectic Society, 94.
—— Geological Society, 63.
—— Medico-Chirurgical Society, 155.
—— Naturalists' Field Club, 85.
Edinburgh Obstetrical Society, 155.
—— Photographic Society, 58.
—— Philosophical Institution, 37.
—— University Philomathic Society, 37.
—— University Philosophical Society, 170.
—— Tusculan Society, 37.
Egham and Thorpe Royal Agricultural Association, 117.
Elgin and Morayshire Literary and Scientific Association, 40.
Elland cum Greetland Natural History Society, 75.
Entomological Society of London, 66.
Epidemiological Society of London, 140.
Erith and Belvedere Natural History and Scientific Society, 76.
Essex Agricultural Association, 118.
—— Archæolegical Society, 176.
—— Field Club, 18.
Evesham Field Naturalists' Club, 76.
Exeter Diocesan Archæological Society, 176.
—— Field Naturalists' Club, 76.

Faraday Club, 53.
Faversham Agricultural Society, 118.
Fifeshire Medical Association, 156.
Folkestone Natural History Society, 76.
Frome District Agricultural Society, 118.

Gaelic Society, 163.
Garioch and Northern Medical Society, 157.
Geological Society of London, 60.
Geologists' Association, 61.
Glasgow Archæological Society, 181.
—— Celtic Society, 167.
—— Geological Society, 64.
—— Hunterian Club, 167.
—— Institute of Architects, 107.
—— Juridical Society, 136.
—— Legal and Speculative Society, 137.
—— Medico-Chirurgical Society, 157.
—— Natural History Society, 86.
—— Pathological and Clinical Society, 157.
—— Philosophical Society, 40.
—— Photographic Association, 58.
—— Royal Botanical Institute, 85.
—— Southern Medical Society, 157.
—— and West of Scotland Amateur Photographic Association, 59.
—— and West of Scotland Medical Association, 158.
Glossop Dale Photographic Society, 56.
Gloucester Literary and Scientific Association, 18.

Goole Scientific Society, 19.
Gosport and Aberstoke Literary and Scientific Institution, 19.
Great Driffield and East Riding Agricultural Society, 117.
Great Torrington Agricultural Society, 122.
Greenock Medical Society, 158.
—— Natural History Society, 187.
—— Philosophical Society, 40.
Guy's Pupils Physical Society, 144.

HACKNEY Microscopical and Natural History Society, 69.
Halifax and Calder Vale Agricultural Association, 118.
—— Philosophical and Literary Society, 19.
—— Photographic Club, 56.
Hants, North East, Agricultural Society, 118.
Harleian Society, 163.
Harveian Society of London, 140.
Hastings and St Leonards Philosophical Society, 19.
Hawick Archæological Society, 181.
Herefordshire Agricultural Society, 118.
—— Natural History and Field Club, 76.
Hertfordshire Natural History Society and Field Club, 20.
—— West, Medical Society, Watford, 149.
Highland and Agricultural Society of Scotland, 124.
High Wycombe Natural History Society, 84.
Horncastle Agricultural Society, 118.
Hospitals' Association, 141.
Huddersfield Medical Society, 149.
—— Naturalists' Society, 76.
Hull Field Naturalists' Society, 77.
—— Incorporated Law Society, 135.
—— Literary and Scientific Society, 20.
Hunterian Society, 141.
Huntingdonshire Agricultural Society, 119.

INCORPORATED Law Society of the United Kingdom, 133.
Index Society, 163.
India, East, Association, 93.
Institute of Actuaries, 91.
—— Bankers, 91.
—— Chartered Accountants in England and Wales, 90.
—— Chemistry, 52.
—— Civil Engineers, 95.
—— Civil Engineers of Ireland, 108.
—— Engineers and Shipbuilders in Scotland, 106.
Institute of Mechanical Engineers, 96.
—— Naval Architects, 110.
—— Patent Agents, 133.
Inverness Farmers' Society, 128.
—— Scientific Society and Field Club, 41.
Ipswich Scientific Society, 20.
Irish Archæological and Celtic Society, 168.
—— Medical Association, 159.
Isle of Man Natural History and Antiquarian Society, 25.
Islington Medical Society, 145.

JEDBURGH Agricultural Society, 128.
Jersey Medical Society, 149.
Juridical Society of Edinburgh, 136.

KEIGHLEY Scientific and Literary Society, 20.
Kent Archæological Society, 176.
—— East, and Canterbury Medical Society, 149.
—— East, Natural History Society, 77.
—— West, Medico-Chirurgical Society, 145.
—— West, Natural History Microscopical and Photographic Society, 21.
Kilmarnock Farmers' Club, 128.
Kincardineshire Farmers' Club, 128.
King's College Medical Society, 145.
Kinross Agricultural Society, 128.
Kirkcaldy Naturalists' Society, 87.

LAMBETH Field Club and Scientific Society, 10.
Lanarkshire Farmers' Society, 128.
Lancashire and Cheshire Antiquarian Society, 177.
—— Entomological Society, 77.
—— Historical Society, 166.
Lancaster Agricultural Society, 119.
—— Literary and Scientific Society, 21.
Largo Agricultural Society, 128.
—— Farmers' Society, 129.
—— Field Naturalists' Society, 41.
Leeds Geological Association, 62.
—— Naturalists' Club, 21.
—— Philosophical and Literary Society, 22.
—— Photographic Society, 56.
—— and West Riding Medico-Chirurgical Society, 150.
Leicestershire Agricultural Society, 119.
Leicester Architectural and Archæological Society, 177.
—— Literary and Philosophical Society, 22.

Leicester Medical Society, 150.
Lesmahagow Farmers' Society, 129.
Lewisham and Blackheath Scientific Association, 22.
Library Association of the United Kingdom, 164.
Lincolnshire Agricultural Society, 119.
—— Chamber of Agriculture, 119.
Lincoln Diocesan Architectural Society, 177.
—— Medical Society, 150.
Linlithgow Agricultural Association, 129.
Linnean Society of London, 65.
Liverpool Agricultural and Horticultural Association, 119.
—— Amateur Photographic Association, 57.
—— Astronomical Society, 49.
—— Chemists' Association, 55.
—— Engineering Society, 103.
—— Geological Association, 62.
—— Society, 62.
—— Incorporated Law Society, 135.
—— Medical Society, 150.
—— Law Students' Association, 135
—— Literary and Philosophical Society, 23.
—— Medical Institution, 150.
—— Microscopical Society, 78.
—— Naturalists' Field Club, 78.
—— Philomathic Society, 23.
London and Middlesex Archæological Society, 174.
—— Provincial Photographic Association, 54.
—— Dialectical Society, 92.
—— Hospital Medical Society, 145.
—— South Entomological and Natural History Society, 69.
—— Microscopical and Natural History Club, 69.
—— Photographical Society, 55.
—— West Medico-Chirurgical Society, 145.
Lothian, East, Agricultural Society, 120.
—— Naturalists' Club, 87.
—— Ornithological Society, 87.
Louth Agricultural Society, 120.
Louth, Meath, and Drogheda Medical Society, 160.

MACCLESFIELD Scientific Students' Association, 23.
Maidenhead Naturalists' Field Club and Thames Valley Antiquarian Society, 24.
Malton Agricultural Society, 120.
—— Field Naturalist and Scientific Society, 78.
Malvern Naturalists' Field Club, 78.
Manchester and Salford Sanitary Association, 157.
Manchester Chetham Society, 177.
—— Field Naturalist and Archæologists' Society, 24.
—— Geological Society, 62.
—— Literary and Philosophical Society, 24.
—— Medical Society, 150.
—— Medical Society, Microscopical Section, 15.
—— Microscopical Society, 79.
—— Photographic Society, 57.
—— Scientific Students' Association, 24.
—— Spencer Society, 166.
—— Statistical Society, 93.
—— Steam Users' Association, 103.
Manx Society, 166.
Mathematical Society, London, 47.
Maybole Farmers' Society, 129.
Medical Society of London, 138.
Medico-Psychological Association, 141.
Melksham Agricultural Society, 120.
Middlesex Hospital Medical Society, 146.
Midland Institute of Mining Engineers, 104.
—— Medical Society, 151.
—— Union of Natural History Societies, 79.
Mining Institution of Scotland, 106.
Monmouthshire and Cærleon Antiquarian Association, 177.
Montrose Natural History and Antiquarian Society, 41.
—— Scientific Society, 41.
Mull Agricultural Association, 129.

NATIONAL Association for the Promotion of Social Science, 89.
—— Fish Culture Association of Great Britain and Ireland, 67.
—— Smoke Abatement Institution, 143.
Newbury District Field Club, 25.
Newcastle-on-Tyne and Northern Counties Photographic Association, 57.
Newcastle-upon-Tyne Clinical Society,
—— Society of Antiquaries, 178.
New Cross Microscopical and Natural History Society, 79.
New Shakespere Society, 165.
New Sydenham Society, 144.
Norfolk and Norwich Archæological Society, 178.
Naturalists' Society, 80.
Norfolk and Suffolk Fish Acclimatization Society, 80.
Northampton Archæological Society, 178.

Northamptonshire Natural History Society and Field Club, 80.
North of England Institute of Mining and Mechanical Engineers, 104.
North of Scotland Horticultural Association, 126.
—— Medical Association, 158.
North Oxfordshire Archæological Society, 178.
North-Western Association of Medical Officers of Health, 152.
Northumberland and Durham Medical Society, 151.
Norwich Geological Society, 63.
—— Medico-Chirurgical Society, 152.
—— Science Gossip Club, 25.
Nottingham Agricultural Society, 120.
—— Architectural Association, 178.
—— Law Students' Society, 136.
—— Literary and Philosophical Society, 26.
—— Medico-Chirurgical Society, 152.
—— Naturalists' Society, 81.
—— Working Men's Naturalist Society, 81.
Notts Photographic Association, 57.
Numismatic Society of London, 174.

Oban Lorn Agricultural Society, 129.
Obstetrical Society of London, 142.
Odontological Society, 142.
Odonto-Chirurgical Society of Scotland, 156.
Old Monkland Agricultural Society, 129.
Oldham Photographical Society, 57.
Ophthalmological Society of the United Kingdom, 142.
Orkney Agricultural Society, 129.
—— Natural History Society, 87.
Oswestry District Agricultural Society, 120.
—— and Welshpool Naturalists' Field Club and Archæological Society, 26.
Oxford Ashmolean Society, 26.
—— Medico-Chirurgical Society, 152.
Oxfordshire Agricultural Society, 120.
—— Natural History Society, 81.

Paisley Philosophical Institution, 41.
Palestine Pilgrims Text Society, 164.
Parke's Museum, 142.
Peeblesshire Agricultural Society, eebles, 130.
Penzance Natural History and Antiquarian Society, 26.
Perthshire Medical Association, Perth, 158.
—— Society of Natural Science, 87.
Peterborough Agricultural Society, 120.
—— Natural History Society and Archæological Society, 27.
Pharmaceutical Society of Great Britain, 53.
—— Society of Ireland, 159.
Philological Society, 164.
Photographic Club, 55.
—— Society of Great Britain, 54.
—— Society of Ireland, 59.
Physical Society of London, 48
Physiological Society, London, 68.
Plymouth Institution, and Devon and Cornwall Natural History Society, 27.
—— Medical Society, 152.
Poor Law Medical Officers' Association, 143.
Portsmouth Literary and Scientific Society, 27.
Postal Microscopic Society, 68.
—— Photographical Society, 55.
Powysland Club, 179.
Princes Risborough Agricultural Association, 120.
Public Analysts' Society, 143.

Quekett Microscopical Society, 68.

Ramsgate Scientific Association, 28.
Reading Pathological Society, 152.
Redhill Holmesdale Natural History Club, 81.
Reigate and Redhill Agricultural Society, 121.
Renfrewshire Agricultural Society, 130.
Richmond and Shire Agricultural Society, 121.
Richmond (Yorkshire) Agricultural Society, 121.
—— (Yorkshire) Scientific Society, 28.
Richmond and North Riding Naturalists' Field Club, 81.
Ripon Naturalists' Club and Scientific Association, 28.
Ripponden Naturalists' Society, 82.
Rochester Naturalists' Club, 82.
Romsey Agricultural Society, 121.
Rotherham Naturalists' Society, 82.
Royal Agricultural Society of England, 112.
—— Agricultural Society of Ireland, 131.
—— Archæological Institute of Great Britain and Ireland, 171.
—— Artillery Institution, 110.
—— Asiatic Society of Great Britain and Ireland, 8.
—— Astronomical Society, 47.
—— Botanical Society of London, 66.

Royal Colonial Institute, 9.
—— Counties' Agricultural Society, 114.
—— Engineers Institute, 111.
—— Geological Society, 60.
—— Geological Society of Ireland, 64.
—— Hibernian Academy, 44.
—— Historical Society, 163.
—— Historical and Archæological Society of Ireland, 182.
—— Horticultural Society, 113.
—— Horticultural Society of Ireland, 131.
—— Institute of Architects of Ireland, 108.
—— Institute of British Architects, 100.
—— Institution of Great Britain, 3.
—— Irish Academy, 43.
—— Medical and Chirurgical Society, 138.
—— Medical Society of Edinburgh, 155.
—— Meteorological Society, 48.
—— Microscopical Society, 67.
—— Northern Agricultural Society, 125.
—— Physical Society of Edinburgh, 50.
—— Scottish Society of Arts, 36.
—— Society of Dublin, 43.
—— Society of Edinburgh, 35.
—— Society of Literature, 164.
—— Society of London, 1.
—— United Service Institution, 109.
—— Zoological Society of Ireland, 88.

Salisbury Literary and Scientific Society, 28.
—— Medical Society, 153.
Sandy and District Floral and Horticultural Society, 121.
Sanitary Institute of Great Britain, 143.
Scarborough Ornithological Society, 82.
—— Philosophical and Archæological Society, 28.
—— Scientific Society, 28.
Scotland, East of, Union of Naturalists Societies, 86.
Scottish Agricultural Society, 124.
—— Bankers' Literary Association Edinburgh, 36.
—— Meteorological Society, 56.
—— Midland and Western Medical Association, 158.
Selby Naturalists' Club, 82.
Severn Valley Naturalists' Field Club, 28.
Sheffield and Hallamshire Field Naturalists' Society, 83.
—— Architectural and Archæological Society, 179.
—— Literary and Philosophical Society, 29.
Sheffield Medico-Chirurgical Society, 153.
—— Microscopical Society, 87.
—— Pharmaceutical and Chemical Society, 55.
—— Photographic Society, 57.
Shetland Literary and Scientific Society, 42.
Shrewsbury and West Midland Agricultural Society, 121.
Shropshire Agricultural Society, 121.
—— Archæological Society, 179.
Sittingbourne Agricultural Association, 121.
—— Literary and Scientific Association, 29.
Skipton Agricultural Society, 121.
Social and Statistical Society of Ireland, 94.
Society for Photographing Relics of Old London, 174.
—— Physical Research, 169.
—— Preservation of Irish Language, 168.
—— Promoting Hellenic Studies, 163.
—— Protection of Ancient Buildings, 173.
Society of Antiquaries of Scotland, 181.
—— Engineers, 98.
—— Medical Officers of Health, 141.
—— Telegraph Engineering and Electricity, 98.
Southampton, Hartley Institution, 29.
—— Literary and Philosophical Society, 30.
—— Medical Society, 153.
St Albans Architectural and Archæological Society, 179.
St Mary's Hospital Medical Society, London, 146.
St Paul's Ecclesiological Society, 173.
St Thomas' Hospital, Medical and Physical Society, 146.
Staffordshire, North, Institute of Engineers, 105.
—— Naturalists' Field Club and Archæological Society, 30.
—— Photographic Association, 57.
—— South, and East Worcestershire Institute of Mining Engineers, 105.
Statistical Society, 90.
Stirlingshire Agricultural Association, Eastern District, 130.
Stirling Natural History and Archæological Society, 42.
Stranraer Agricultural Society, 136.
Stroud Natural History Society, 83.
Suffolk Agricultural Association, 121.
—— Agricultural Society, 122.
Sunderland Medical Society, 153.
Surveyors' Institution, 99.

Sussex Archæological Society, 180.
—— East, Medical Society, 153.
Swansea Medical Society, 154.
Sydenham District Medical Society, 146.

TAMWORTH Natural History, Geological, and Antiquarian Society, 30.
Teignmouth Naturalists' Field Club, 83.
Teviotdale Farmers' Club, 130.
—— West, Agricultural Society, 131.
Todmorden Agricultural Society, 122.
—— Botanical Society, 83.
Torquay Natural History Society, 31.
Totnes Union Agricultural Society, 122.
Tring Agricultural Society, 122.
Tweedside and Kelso Physical and Antiquarian Society, 43.
Tyneside Naturalists' Field Club, 31.

ULSTER Medical Society, 160.
Ulverston West Lonsdale Agricultural Society, 122.
University Biological Association, Dublin, 88.
University College Medical Society, 146.

VICTORIA Institute, or Philosophical Society of Great Britain, 8.

WAKEFIELD Natural History and Philosophical Society, 83.
Wales, South, Institute of Engineers, 105.
—— Royal Institution, 31.
Walthamstow Natural History and Microscopal Society, 83.
Warrington Literary and Philosophical Society, 32.
Warwickshire Agricultural Society, 122.
—— Field Club, 32.
—— Natural History and Archæological Society, 32.
Waterford Literary and Scientific Association, 46.
West Linton Agricultural Society, 129.
Westmoreland District Agricultural Society, 123.
Wetherby Agricultural Society, 122.
Wharfedale Agricultural Society, 123.
Whitby Agricultural Society, 123.
—— Literary and Philosophical Society, 33.
Wigan Medical Society, 154.
William Salt Archæological Society, Stafford, 129.
Wiltshire Archæological and Natural History Society, 33.
Wirral and Birkenhead Agricultural Society, 123.
Witney Natural History and Literary Society, 33.
Wolverhampton and District Medical Society, 154.
Woolhope Naturalists' Field Club Hereford, 33.
Worcester Diocesan Architectural and Archæological Society, 180.
—— and Worcestershire Incorporated Law Society, 136.
Worcestershire Agricultural Society, 123.
—— Naturalists' Field Club, 84.
Wyclif Society, 165.

YEOVIL Agricultural Society, 124.
York Agricultural Society, 124.
—— Medical Society, 154.
Yorkshire Archeological and Topographical Association, 186.
—— Association of Medical Officers of Health, Doncaster, 154.
—— Geological and Polytechnic Society, 34
—— Naturalists' Club, 84.
—— Naturalists' Union of the Natural History and Scientific Societies of the Country, 34.
—— Philosophical Society, 34.

ZOOLOGICAL Society of London, 66.

PRINTED BY NEILL AND COMPANY, EDINBURGH.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

WORKS BY W. J. MACQUORN RANKINE, LL.D., F.R.S.,

Late Reg. Prof. of Civil Engineering in the University of Glasgow.
In Crown 8vo, cloth, with Tables and Diagrams.

I.—APPLIED MECHANICS:

Comprising the Principles of Statics, Cinematics, and Dynamics, and Theory of Structures, Mechanism, and Machines. TENTH EDITION, 12s. 6d.

II.—CIVIL ENGINEERING:

Comprising Engineering Surveys, Earth-Work, Foundations, Masonry, Carpentry, Metal-Work, Tunnels, Roads, Railways, Canals, Rivers, Water-Works, Harbours, &c. FOURTEENTH EDITION, 16s.

III.—THE STEAM ENGINE AND OTHER PRIME MOVERS:

Comprising Machines in General, Sources of Power, Water-Power and Wind-Power, Principles of Thermodynamics, Steam and other Heat-Engines, Mechanism, Furnaces, and Boilers, &c. TENTH EDITION, 12s. 6d.

IV.—MACHINERY AND MILLWORK:

Comprising the Geometry, Dynamics, Materials, Strength, and Construction of Machinery. FIFTH EDITION, 12s. 6d.

V.—USEFUL RULES AND TABLES

FOR ENGINEERS, ARCHITECTS, BUILDERS, FOUNDERS, SHIPBUILDERS, AND SURVEYORS.

With Appendix: TABLES, TESTS, and FORMULÆ for the use of ELECTRICAL ENGINEERS. By Principal JAMIESON, C.E., F.R.S.E. SIXTH EDITION, 10s. 6d.

VI.—A MECHANICAL TEXT-BOOK.

By Professor RANKINE and E. F. BAMBER, C.E.
SECOND EDITION, 9s.

*** THE MECHANICAL TEXT-BOOK forms a simple introduction to Professor RANKINE'S SERIES of MANUALS on ENGINEERING and MECHANICS.

THE MEMORIAL VOLUME.

PROFESSOR RANKINE'S MISCELLANEOUS SCIENTIFIC PAPERS,

From the Transactions and Proceedings of the Royal and other Societies, &c.
Royal 8vo, with fine Portrait on Steel, Plates, and Diagrams, 31s. 6d.

PART I.—Papers relating to Temperature, Elasticity, and Expansion of Vapours, Liquids, and Solids.
PART II.—Papers on Energy and its Transformations.
PART III.—Papers on Wave-Forms, Propulsion of Vessels, &c.

With Memoir by P. G. TAIT, M.A., Professor of Natural Philosophy in the University of Edinburgh. Edited by W. J. MILLAR, C.E., Secretary to the Institute of Engineers and Shipbuilders in Scotland.

"No more enduring Memorial of Professor Rankine could be devised than the publication of these papers in an accessible form. . . . The Collection is most valuable on account of the nature of his discoveries, and the beauty and completeness of his analysis. . . . The Volume exceeds in importance any work in the same department published in our time."—*Architect.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

In Royal 8vo.

A TREATISE ON

THE STABILITY OF SHIPS,

FOR THE USE OF

Naval Constructors, Shipbuilders, and Others.

BY SIR EDWARD JAMES REED, K.C.B., F.R.S., M.P.

With numerous Tables, Diagrams, and Folding-Plates,

[IN PREPARATION.

THIRD EDITION. Price 18s.

MARINE ENGINEERING

(A MANUAL OF),

The Designing, Construction, and Working of Marine Machinery.

BY A. E. SEATON,

M. Inst. Nav. Arch., M. Inst. Mech. Eng., Lecturer on Marine Engineering, Royal Naval College, Greenwich.

With Tables and Illustrations reduced from Working Drawings.

GENERAL CONTENTS.

I. Principles of Marine Propulsion.
II. Principles of Steam Engineering.
III. Details of Marine Engines.
IV. Propellers.
V. Boilers.
VI. Miscellaneous.

"By far the best MANUAL in existence . . . Gives a complete account of the methods of solving, with the utmost possible economy, the problems before the Marine Engineer."—*Athenæum.*

"In the three-fold capacity of enabling a Student to learn how to design, construct, and work a modern Marine Steam-Engine, Mr Seaton's Manual has no rival." *Times.*

"The Student, Draughtsman, and Engineer will find this work the most valuable Handbook of Reference on the Marine Engine now in existence."—*Marine Engineer.*

SECOND EDITION. Published with the approval of the Director-General of Telegraphs in India. Price 15s.

A MANUAL OF TELEGRAPH CONSTRUCTION,

For the use of Telegraph Engineers and Others.

BY JOHN CHRISTIE DOUGLAS,

Mem. Sec. Tel. Eng., East India Govt. Telegraph Department, &c.

GENERAL CONTENTS.

Part I.—General Principles of Strength and Stability: with the Strength of Materials.

Part II.—Properties and Applications of Materials, with Specifications.

Part III.—Telegraph Construction, Maintenance, and Organisation, including the Construction of Overground, Subterranean, and Subaqueous Lines; Office Fittings; Estimating; Organisation, &c.

"The subject is treated with great clearness and judgment . . . good practical information, given in a clear, terse style."—*Engineering.*

"A most useful guide to any one who may be engaged in any branch of Electric Telegraph Engineering."—*Athenæum.*

"Calculated to be of great service to Telegraph Engineers."—*Iron.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

Now Ready, Price 7s. 6d.

A POCKET BOOK OF

ELECTRICAL RULES AND TABLES,

For the use of Electricians and Engineers.

By JOHN MUNRO, C.E.,

AND

ANDREW JAMIESON, F.R.S.E., A.M.I.C.E., M.S.T.E.

GENERAL CONTENTS.

Units of Measurement.	Submarine Cables.	Dynamos and Motors.
Measures.	Telegraphy.	Electric Lighting.
Testing.	Electro-Chemistry and Metallurgy.	Miscellaneous.
Conductors.	Batteries.	Logarithms.
Dielectrics.		

*** MUNRO & JAMIESON's Electrical Pocket-Book comprises 504 pages, is fully illustrated, and will be found extremely convenient as a POCKET-COMPANION for reference on important points essential to ELECTRICIANS and ELECTRICAL ENGINEERS.

"WONDERFULLY PERFECT. . . . Worthy of all the commendation we can give it."—*Electrician.*

Published with concurrence of the Surveyors-General for New South Wales and Victoria. In folio, half-bound, 30s.

TRAVERSE TABLES:

Computed to Four Places Decimals for every Minute of Angle up to 100 of Distance. For the use of Surveyors and Engineers.

BY RICHARD LLOYD GURDEN,

Authorised Surveyor for the Governments of New South Wales and Victoria.

"Mr Gurden is to be thanked for the extraordinary labour which he has bestowed on facilitating the work of the Surveyor."—*Athenæum.*

"Those who have experience in exact Survey-work will best know how to appreciate the enormous amount of labour represented by this valuable book. The computations enable the user to ascertain the sines and cosines for a distance of twelve miles to within half-an-inch, and this BY REFERENCE TO BUT ONE TABLE, in place of the usual Fifteen minute computations required."—*Engineer.*

"Up to the present time, no Tables for the use of Surveyors have been prepared, which can be compared with those compiled by Mr Gurden. . . . With the aid of this book, *the toil of calculation is reduced to a minimum;* and not only is time saved, but the risk of error is avoided. Mr GURDEN'S BOOK HAS BUT TO BE KNOWN, AND NO ENGINEER'S OR ARCHITECT'S OFFICE WILL BE WITHOUT A COPY."—*Architect.*

"These Tables are characterised by ABSOLUTE SIMPLICITY. Every one connected with Engineering or Survey should be made aware of the existence of this elaborate and useful set of Tables."—*Builder.*

London: CHARLES GRIFFIN & Co., Exeter Street, Strand.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

Royal 8vo, 764 Pages, Cloth, 34s.

ELEMENTS OF METALLURGY:

A Practical Treatise on the Art of Extracting Metals from their Ores.

BY

J. ARTHUR PHILLIPS, F.R.S., M. Inst., C.E., F.C.S., F.G.S.,

Ancien Élève de l'École des Mines, Paris.

With over 200 Illustrations, reduced from Working Drawings.

GENERAL CONTENTS.

Refractory Materials.	Antimony.	Iron.
Fire-Clays.	Arsenic	Cobalt.
Fuels, &c.	Zinc.	Nickel.
Aluminium.	Mercury.	Silver.
Copper.	Bismuth.	Gold.
Tin.	Lead.	Platinum.

"THE VALUE OF THIS WORK IS ALMOST INESTIMABLE."—*Mining Journal.*

"The best work ever written on the subject with a view to its practical treatment."—*Westminster Review.*

Now Ready, 8vo, with many Illustrations. Price 9s.

FUEL AND WATER:

A MANUAL FOR USERS OF STEAM AND WATER.

BY PROF. FR. SCHWACKHÖFER,

Of the Imperial and Royal School of Agriculture of Vienna,

AND WALTER R. BROWNE, M.A., C.E.

GENERAL CONTENTS.—Heat and Combustion—Fuel, Varieties of—Firing Arrangements, Furnace, Flues, Chimney—The Boiler, Choice of—Varieties—Feed-water Heaters — Steam Pipes — Water, Composition, Purification — Prevention of Scale, &c., &c.

"We confidently recommend this work to Students. The section on Heat is one of the best and most lucid ever written."—*Engineer.*

"Contains a vast mass of useful knowledge . . . cannot fail to be useful to thousands compelled to use steam power."—*Railway Engineer.*

"Goes into the most minute details as to how economies may be effected in the use of fuel and management of boilers."—*Sheffield Daily Telegraph.*

"The result of wide experience."—*Scotsman.*

"The practical utility of the volume is beyond question."—*Mining Journal.*

Crown 8vo, Cloth, 4s. 6d.

THE STUDENT'S MECHANICS:

An Introduction to the Study of Force and Motion.

BY WALTER R. BROWNE, M.A., C.E.

"The successful prosecution of Mechanics depends mainly on the obtaining a clear and thorough mastery of a few leading Principles, the Foundations on which the Science rests. To exhibit these FOUNDATIONS clearly and fully, 'The STUDENT'S MECHANICS' has been expressly designed."—*Preface.*

"Clear in style and practical in method, 'THE STUDENT'S MECHANICS' is cordially to be recommended from all points of view. . . . Will be of great value to all desirous to gain full knowledge."—*Athenæum.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

CHARLES GRIFFIN & CO.'S PUBLICATIONS.

WORKS BY WILLIAM AITKEN, M.D. Edin., F.R.S.,

PROFESSOR OF PATHOLOGY IN THE ARMY MEDICAL SCHOOL; EXAMINER IN MEDICINE FOR THE MILITARY MEDICAL SERVICES OF THE QUEEN; FELLOW OF THE SANITARY INSTITUTE OF GREAT BRITAIN; CORRESPONDING MEMBER OF THE ROYAL IMPERIAL SOCIETY OF PHYSICIANS OF VIENNA; AND OF THE SOCIETY OF MEDICINE AND NATURAL HISTORY OF DRESDEN.

Royal 8vo. SEVENTH EDITION. PRICE 42s.

THE SCIENCE AND PRACTICE OF MEDICINE.

In Two Volumes, cloth. Illustrated by numerous Engravings on Wood, and a Map of the Geographical Distribution of Diseases. To a great extent Rewritten; Enlarged, Remodelled, and Carefully Revised throughout.

In reference to the SEVENTH EDITION *of this important Work, the Publishers would only remark, that no labour or expense has been spared to sustain its well-known reputation as* "THE REPRESENTATIVE BOOK OF THE MEDICAL SCIENCE AND PRACTICE OF THE DAY." *Among the More Important Features of the New Edition, the subject of Diseases of the Brain and Nervous System may be specially mentioned.*

Opinions of the Press.

"We know of no work that contains so much, or such full and varied information on all subjects connected with the Science and Practice of Medicine."—*Lancet.*

"The SEVENTH EDITION of this important Text-Book fully maintains its reputation. . . . Dr Aitken is indefatigable in his efforts."—*British Medical Journal.*

"The STANDARD TEXT-BOOK in the English Language. . . . There is, perhaps, no work more indispensable for the Practitioner and Student."—*Edin. Medical Journal.*

"Excellent from the beginning, and improved in each successive issue, Dr Aitken's GREAT AND STANDARD WORK has now, with vast and judicious labour, been brought abreast of every recent advance in scientific medicine and the healing art, and affords to the Student and Practitioner a store of knowledge and guidance of altogether inestimable value. . . . The first 530 pages of the Second Volume would, if printed separately, form perhaps the best text-book in our language for the student of Neurology and Insanity. A masterly and philosophical review. . . . A classical work which does honour to British Medicine, and is a compendium of sound knowledge."—*Extract from Review in "Brain," by J. Crichton-Browne, M.D., F.R.S., Lord Chancellor's Visitor in Lunacy.*

"In its system, in its scope, and in its method of dealing with the subjects treated of, this work differs from all other Text-Books on the Science of Medicine in the English language."—*Medical Times and Gazette.*

"The extraordinary merit of Dr Aitken's work. . . . The author has unquestionably performed a service to the profession of the most valuable kind."—*Practitioner.*

"Altogether, this voluminous treatise is a credit to its Author, its Publisher, and to English Physic."—*Medico-Chirurgical Review.*

"We can say with perfect confidence, that no medical man in India should be without Dr Aitken's 'Science and Practice of Medicine.'"—*Indian Medical Gazette.*

Prof. AITKEN'S OUTLINES OF THE SCIENCE

AND PRACTICE OF MEDICINE. A Text-Book for Students. SECOND EDITION. Crown 8vo. PRICE 12s. 6d.

"Students preparing for examinations will hail it as a perfect godsend for its conciseness."—*Athenæum.*

"Well-digested, clear, and well-written, the work of a man conversant with every detail of his subject, and a thorough master of the art of teaching."—*British Medical Journal.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

The Learned Societies and Literary Associations of Germany in the 19th Century. Bibliography of their Publications. To be issued in six Parts. at 6s. each. Parts I., II., III., are ready.

Die

Wissenschaftlichen Vereine und Gesellschaften Deutschlands

IM NEUNZEHNTEN JAHRHUNDERT

BIBLIOGRAPHIE IHRER VERÖFFENTLICHUNGEN SEIT IHRER BEGRÜNDUNG BIS AUF DIE GEGENWART

VON Dr JOHANNES MÜLLER

Custos an der Königlichen Bibliothek zu Berlin.

The Author has undertaken the difficult task of collecting an exact list of all the Publications—Periodicals as well as Complete Works—which have been issued during this century by all the German Learned Societies and Literary Associations.

This Bibliography, therefore, contains the publications of all the *Literary, Philosophical, Historical, Geographical, Archæological, Numismatical, Heraldic, Military, Linguistic, Philological, Theological, Mathematical, and Medical Societies, as well as those devoted to Law, Social and Natural Sciences,* so far as they have issued any publications during the 19th century. The number of the Societies treated in the book amounts to about 500.

The Author has given the titles of all the Books, Pamphlets, Periodicals, Regulations, Lists of Members, &c., with full bibliographical details, mentioning their publishers or printers. By means of alphabetical and systematic indices, the work will be found most useful, and prove a great boon to Libraries, Societies, Scholars, and Booksellers. It will be published in six Parts, at the rate of 6s. each. Parts I., II., III., are ready, and the concluding parts will be published in the course of this year (1884).

ASHER & CO.,

13 Bedford Street, Covent Garden, W.C., London, and at 5 Unter den Linden, Berlin.

THE "LOISETTIAN"

SCHOOL OF MEMORY

INSTANTANEOUS MEMORY!
ART OF NEVER FORGETTING!!
DISCONTINUITY CURED!!!

A PHYSIOLOGICAL System, wholly unlike Mnemonics, using none of its "Localities," "Keys," "Pegs," "Links," or "Associations."

Dr ANDREW WILSON, F.R.S.E., Editor of "Health," April 27, 1883, p. 34, says:—
"Professor Loisette's System is Physiological and Scientific in the Highest Degree."

Mr RICHARD A. PROCTOR, Editor of "Knowledge," in No. 117, dated January 25, 1884, says:—
"I have no hesitation in thoroughly recommending the System to all who are in earnest in wishing to train their Memories effectively, and are therefore willing to take Reasonable Pains to obtain so useful a Result."

Any Book Mastered in *One Reading*. Great Inducements to Correspondence Classes in all parts of the World. Prospectus post-free on application to

PROFESSOR LOISETTE, 37 NEW OXFORD STREET, LONDON
(*Opposite Mudie's Library*).

CITY MICROSCOPICAL STUDIO & GEOLOGICAL MUSEUM

FOR THE SALE OF

MICROSCOPIC OBJECTS, MINERALS, FOSSILS, ROCK SPECIMENS, SHELLS, CRUSTACEA, ECHINODERMS, CORALS, FLINT IMPLEMENTS, CABINETS, GEOLOGISTS' HAMMERS, &c.

THOMAS D. RUSSELL,

78 NEWGATE STREET, E.C.
(*Close to the New General Post Office.*)

THIRD EDITION, thoroughly revised and greatly enlarged. Cloth, 21s.

THE ART OF DYEING AND DYEING RECEIPTS.

BY

JAMES NAPIER, F.R.S.E., F.C.S.

Illustrated by Diagrams and Numerous Specimens of Dyed Cotton, Silk, and Woollen Fabrics. Demy 8vo.

GENERAL CONTENTS.

I. Heat and Light.
II. A Concise System of Chemistry, with special reference to Dyeing.
III. Mordants and Alterants.
IV. Vegetable Matters in use in the Dye-house.
V. Animal Dyes.
VI. Coal-Tar Colours.

APPENDIX—Receipts for Manipulation.

"The numerous Dyeing Receipts and the chemical information furnished will be exceedingly valuable to the Practical Dyer. . . . A Manual of necessary reference to all those who wish to keep pace with the scientific discoveries of the time."—*Journal of Applied Science.*

"In this work Mr Napier has done good service . . . being a Practical Dyer himself, he knows the wants of his *Confrères* . . . the Article on Water is a very valuable one to the Practical Dyer, enabling him readily to detect impurities, and correct their action. The Article on Indigo is very exhaustive . . . the Dyeing Receipts are very numerous, and well illustrated."—*Textile Manufacturer.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

EYRE & SPOTTISWOODE'S

MATHEMATICAL DRAWING INSTRUMENTS,

WATER-COLOURS, OIL-COLOURS,

And all Drawing Materials suitable for Technical and Art Students:

BEST TOWN-MADE DRAWING INSTRUMENTS,

As used in Public Schools.

EYRE & SPOTTISWOODE,

London—Great New Street, Fleet Street, E.C.

NATURAL HISTORY

and GENERAL SCIENCE.

The largest Collection of second-hand Works relating to the above.

Catalogues to be had at—

JOHN WHELDON'S, 58 GREAT QUEEN STREET, LONDON, W.C.

FIFTH EDITION, with Illustrations, 7s. 6d.

A MANUAL OF ELECTRO-METALLURGY.

BY

JAMES NAPIER, F.R.S.E., F.C.S.

GENERAL CONTENTS.

I. History of the Art.
II. Description of Galvanic Batteries and their Respective Peculiarities.
III. Electrotype Processes.
IV. Bronzing.
V. Miscellaneous Applications of the Process of Coating with Copper.
VI. Deposition of Metals upon one another.
VII. Electro-Plating.
VIII. Electro-Gilding.
IX. Results of Experiments on the Deposition of other Metals as Coatings.
X. Theoretical Observations.

"An established authority on Electro-Metallurgy."—*Journal of Applied Science.*

"The fact of Mr Napier's Treatise having reached a FIFTH EDITION is good evidence of an appreciation of the author's mode of treating his subject."—*Iron.*

"The Fifth Edition has all the advantages of a new work, and of a proved and tried friend. There is a thoroughness in the handling of the subject, which is far from general in these days. The work is one of those which are calculated to inspire invention."—*Jeweller and Watchmaker.*

London: CHARLES GRIFFIN & CO., Exeter Street, Strand.

Monthly, Price One Shilling. Post free, 14s. per annum.

THE

Illustrated Science Monthly,

A Popular Magazine of Knowledge, Research, Travel, and Invention.

EDITED BY J. A. WESTWOOD OLIVER.

Contains articles by the most eminent writers on Economics, Geography, and Travel, Rural Affairs, Gardening, Farming, Forestry, Health, Astronomy and Meteorology, Mathematics, Physics, Photography, Chemistry, Microscopy, Botany, Entomology, Zoology, Anthropology, Geology, Archæology, Numismatics, Engineering, Technology, Amateur Mechanics, Turnery, Workshop Appliances, Novelties of Invention; and deals, in fact, with every branch of science in the widest sense of the term.

New Books are reviewed, and an exhaustive "Chronicle of Science" places on record all interesting items of news. A portrait of an eminent "Leader of Science" is given each month, together with a brief biography. A department under a responsible Editor is devoted to Chess.

The Illustrations are made a special feature, being more profuse in number and beautiful in execution than has ever yet been attempted in a scientific periodical.

"Full of scientific interest, and especially remarkable for the clearness and beauty of its illustrations."—*Illustrated London News.*

"Carefully edited, well arranged, and comprehensive."—*Queen.*

"One of the best and most valuable of the journals devoted to science.—*Newcastle Chronicle.*

"The Contributors are of the first rank, and the subjects are treated in a popular manner."—*Manchester Evening News.*

"A more inviting magazine we have rarely seen."—*North British Daily Mail.*

"The best and cheapest science periodical published."—*Modern Society.*

Volume I, handsomely bound in cloth, price 6s.

London: DAVID BOGUE, 3 St Martin's Place, Trafalgar Square.

WM. CLOWES & SONS, Limited,

LAW PUBLISHERS AND BOOKSELLERS,

27 FLEET STREET, LONDON, E.C.

(SIX DOORS EAST OF INNER TEMPLE LANE.)

In One Volume, Super Royal 8vo, with Illustrations. Cloth gilt, bevelled boards. Price £2. 2s.

THE ORDER OF THE COIF. By Mr SERJEANT PULLING. Containing the early History of the Order, together with an Account of the Aula Regis, and the Courts at Westminster Hall derived from it—the Justiciars—the Judges and Serjeants of the Coif—the Apprenticii ad legem—the Inns of Court—the Forms, Solemnities, and Usages kept up by the Bench and the Bar—Records and Memoirs of the Old Order, and its many distinguished Members—their Legal and Social Position, and the gradual Innovations on the old Institution.

Demy 8vo. 930 pages. Cloth, 32s.

THE LAW AND PRACTICE OF COMPENSATION for taking or Injuriously affecting Lands under the Lands Clauses Consolidation Acts, 1845, 1860, and 1869; Railway Clauses Consolidation Act, 1845; Artizans and Labourers' Dwellings Improvement Acts, 1875 to 1882; Artizans' Dwellings Acts, 1868 to 1882; Public Health Act, 1875; Elementary Education Act, 1870; General Metropolitan Paving Act; and other Public Acts (English, Irish, and Scotch); with an Introduction, Notes, and Forms. By SIDNEY WOOLF, of the Middle Temple, and JAMES W. MIDDLETON, of Lincoln's Inn, Esqrs., Barristers-at-Law.

Demy 8vo. Cloth, 20s.

PRACTICAL FORMS OF AGREEMENTS relating to Sales and Purchases, Mortgages and Deposits, Enfranchisements and Exchanges, Building and Arbitrations, Letting and Renting, Hiring and Service, Debtors and Creditors, and numerous other subjects; with a variety of useful Notes. By H. MOORE, Esq., Author of "Instructions for Preparing Abstracts of Titles," "The Country Attorney's Pocket Remembrancer," and formerly Editor of "The Lawyer's Companion."

Demy 8vo. Cloth, 12s. 6d.

PATENT, DESIGN, and TRADE-MARKS ACT, 1883, with the New Rules, Notes, and Cases, forming a concise Treatise on the Law and Practice of Letters Patents for Inventions. By CLEMENT HIGGINS, Barrister-at-Law.

Royal 8vo. Cloth, 12s. 6d.

THE BILLS OF EXCHANGE, 1882; with Notes of Cases prior to and since the passing of the same, with an Appendix and Index. By AVIET AGABEG, and WILLIAM F. BARRY, of the Inner Temple, Barristers-at-Law.

Demy 8vo. Cloth, 17s. 6d.

EMDEN'S PRACTICE IN WINDING-UP COMPANIES. A Concise and Practical Treatise upon the Law and Practice relating to the Winding-up of Companies from the commencement of the Winding-up Proceedings to the Dissolution, with Forms for use in Winding-up, and Precedents of Bills of Costs, &c. By ALFRED EMDEN, of the Inner Temple, Esq., Barrister-at-Law, Author of "The Law relating to Building Leases, Building Contracts, and Building," &c.

Crown 8vo. Cloth, 2s. 6d.

EMDEN'S SHAREHOLDERS' LEGAL GUIDE. A concise statement of the Law relating to Shares, and of the Legal Rights and Responsibilities of Shareholders. By ALFRED EMDEN, Barrister-at-Law. Author of Practice in Winding-up Companies," &c.

Demy 8vo. Cloth, 15s.

THE AGRICULTURAL HOLDINGS ACT, 1883, and other Statutes relating to Distress, Replevin, &c., with 85 Forms, being Forms of Leases, Special Covenants, Substituted Agreements, Notices, Awards, &c. By J. M. LELY, Esq., Barrister-at-Law, Editor of Woodfall's "Landlord and Tenant," and E. ROBERT PEARCE, Esq., Barrister-at-Law, Author of "The Law of Bills of Sale."

"This is by far the most elaborate treatise which has appeared on this Act. . . . The book is impressed with every sign of care and deliberation, and shows great familiarity with the subject."—*Law Journal.*

Royal 8vo. Cloth, 17s. 6d.

THE JUDICATURE ACTS and the RULES of the SUPREME COURT, 1883. With Concise Notes. By the late FREDERIC PHILIP TOMLINSON, M.A., of Trinity College, and of the Inner Temple, Barrister-at-Law. Edited by R. T. REID, Q.C.

*** A special feature of this work is that where a new rule exactly follows the old, where the rule is quite new, and where there are verbal or clerical alterations, each is clearly indicated.

London: WM. CLOWES & SONS, Limited, 27 Fleet Street.

the
rts at
—the
the
ibers

sly
ray
to
ct,
th
V.

t-
ng
a
of
r's

s,
ds

e
F.

e
g
d

r
f

Stanford University Libraries
3 6105 010 672 066

..., ELDER, & CO.'S PUBLICATIONS.

W. M. THACKERAY'S WORKS.

THE STANDARD EDITION. To be completed in 26 Monthly Volumes large 8vo, 10s. 6d. each. (9 volumes already published.)

THE EDITION DE LUXE. 24 Volumes Imperial 8vo. To be obtained from Booksellers only.

THE LIBRARY EDITION. 22 Volumes large Crown 8vo, 7s. 6d. each. Sets in Cloth, £8, 5s.; or Half Russia. £12, 12s.

THE POPULAR EDITION. 12 Volumes Crown 8vo, 5s. each. Sets in Cloth, £3; or Half Morocco, £5, 5s.

THE CHEAPER ILLUSTRATED EDITION. 24 Volumes Crown 8vo, 3s. 6d. each. Sets in Cloth, £4, 4s.; or Half Morocco, £8.

The Renaissance in Italy. By JOHN ADDINGTON SYMONDS.
Age of the Despots. Second edition. Demy 8vo, 16s.
The Revival of Learning. Second edition. Demy 8vo, 16s.
The Fine Arts. Second edition. Demy 8vo, 16s.
Italian Literature. 2 vols. Demy 8vo, 32s.

Shakspere's Predecessors in the English Drama. By JOHN ADDINGTON SYMONDS. Demy 8vo, 16s.

The Science of Ethics. An Essay ... Ethical Theory, as Modified by th... Evolution. By LESLIE STEPHEN.

Shakspeare Commentaries. GERVINUS, Professor at Heidel... under the Author's Superint... BUNNETT. With a Preface by ... Esq. New Edition Revised.

The Life of Lord Lawrence. By R. BOSWORTH SMITH, M.A., late Fellow of Trinity College, Oxford, Assistant Master at Harrow School. Author of 'Mohammed and Mohammedanism,' 'Carthage and the Carthaginians,' &c. Fifth Edition, 2 vols. 8vo, with two Portraits and two Maps, 36s.

Memoirs of Life and Work. By CHARLES J. B. WILLIAMS, M.D., F.R.S., Physician Extraordinary to Her Majesty the Queen. With a Portrait of the Author, and Original Sketches of La Place, Laennec, Andral, and other French *savants*, 8vo, 16s.

A Treatise on the Theory ... Medicine. By JOHN SYE... Lond., Fellow and former... Royal College of Physicians ... to and Joint Lecturer on ... Thomas's Hospital; Presider ... Medical Officers of Healt... Medicine to the Royal Coll... formerly Examiner in Med... versity of London, and Lec... Pathology and on Physiolog... Hospital. Fourth Edition.

The Elements of Physiolog... logical Chemistry. A Ha... Students and Practitioners ... General Account of Nutri... Digestion, and the Chemisti... Organs, Secretions and Exer... in Health and in Disease. ... methods for preparing or sep... constituents, as also for the... Detail, and an Outline Syllab... Course of Instruction for ... CRANSTOUN CHARLES, M.D., F... of Surgery, Lecturer on Pra... St. Thomas's Hospital, Lond... Registrar, St. Thomas's Hosp... Assistant Profes-or and ... Chemistry and Chemical ... College, Belfast, &c., &c., ... Chromo-li...

, ELDE...
PUBLI...

SMITH...

Stanford University Library
Stanford, California

In order that others may use this book, please return it as soon as possible, but not later than the date due.